

## Relazione CT UNIPLAST 2020 ALLEGATO B

### Struttura e Work item CEN TC/WG, ISO TC/SC/WG

#### CEN/TC 69 Industrial valves

Secretary: Ms Helene Cros

Chairperson: Mr. Pascal Vinzio

#### Work programme CEN/TC 69 Industrial valves

<a href="#">EN 12516-2:2014/prA1</a> (WI=00069218)	Industrial valves - Shell design strength - Part 2: Calculation method for steel valve shells
<a href="#">prEN 13397 rev</a> (WI=00069228)	Industrial valves - Metallic diaphragm valves
<a href="#">prEN 15714-3 rev</a> (WI=00069232)	Industrial valves - Actuators - Part 3: Pneumatic part-turn actuators for industrial valves - Basic requirements
<a href="#">prEN 15714-5</a> (WI=00069188)	Industrial valves - Actuators - Part 5: Pneumatic linear actuators for industrial valves — Basic requirements
<a href="#">prEN 15714-6</a> (WI=00069215)	Industrial valves - Actuators - Part 6: Hydraulic linear actuators for industrial valves - Basic requirements
<a href="#">prEN 16668 rev</a> (WI=00069229)	Industrial valves - Requirements and testing for metallic valves as pressure accessories
<a href="#">prEN 19 rev</a> (WI=00069230)	Industrial valves - Marking of metallic valves
<a href="#">prEN 558 rev</a> (WI=00069224)	Industrial valves - Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems - PN and Class designated valves
<a href="#">prEN 593</a> (WI=00069219)	Industrial valves - Metallic butterfly valves
<a href="#">prEN ISO 10497 rev</a> (WI=00069223)	Testing of valves - Fire type-testing requirements
<a href="#">prEN ISO 22153</a> (WI=00069231)	Electric actuators for industrial valves - General requirements (ISO 22153:2020)
<a href="#">prEN ISO 28921-1 rev</a> (WI=00069222)	Industrial valves - Isolating valves for low-temperature applications - Part 1: Design, manufacturing and production testing
<a href="#">prEN ISO 4126-10</a> (WI=00069216)	Safety devices for protection against excessive pressure - Part 10: Sizing of safety valves for gas/liquid two-phase flow
<a href="#">prEN ISO 4126-6 rev</a> (WI=00069227)	Safety devices for protection against excessive pressure - Part 6: Application, selection and installation of bursting disc safety devices
<a href="#">prEN ISO 5117 rev</a> (WI=00069233)	Automatic steam traps - Definition, classification, test requirements and methods
<a href="#">prEN ISO 8233</a> (WI=00069226)	Thermoplastics valves - Torque - Test method (ISO/DIS 8233:2020)
(WI=00069217)	Industrial valves - Functional safety of safety-related valves and actuators
(WI=00069225)	Industrial valves - Metallic ball valves

#### CEN/ TC 112 Wood-based panels

Secretary: Mr. Bernd Trepkau (DIN)  
Chairperson: Mr. Steffen Tobisch

## WORK PROGRAMME CEN/ TC 112

<a href="#"><u>prEN 1058 rev</u></a> (WI=00112224)	Wood-based panels - Determination of characteristic 5-percentile values and characteristic mean values
<a href="#"><u>prEN 12369-1 rev</u></a> (WI=00112215)	Wood-based panels - Characteristic values for structural design - Part 1: OSB, particleboards and fibreboards
<a href="#"><u>prEN 12369-2 rev</u></a> (WI=00112214)	Wood-based panels - Characteristic values for structural design - Part 2: Plywood
<a href="#"><u>prEN 12369-3 rev</u></a> (WI=00112219)	Wood-based panels - Characteristic values for structural design - Part 3: Solid-wood panels
<a href="#"><u>prEN 12871 rev</u></a> (WI=00112218)	Wood-based panels - Determination of performance characteristics for load bearing panels for use in floors, roofs and walls
<a href="#"><u>prEN 13353 rev</u></a> (WI=00112221)	Solid wood panels (SWP) - Requirements
<a href="#"><u>prEN 13986 rev</u></a> (WI=00112220)	Wood-based panels for use in construction - Characteristics, evaluation of conformity and marking
<a href="#"><u>prEN 14322</u></a> (WI=00112216)	Wood-based panels - Melamine faced board for interior uses - Definition, requirements and classification
<a href="#"><u>prEN 14323</u></a> (WI=00112217)	Wood-based panels - Melamine faced boards for interior uses - Test methods
<a href="#"><u>prEN 316 rev</u></a> (WI=00112223)	Wood fibre boards - Definition, classification and symbols
<a href="#"><u>prEN 326-1 rev</u></a> (WI=00112222)	Wood-based panels - Sampling, cutting and inspection - Part 1: Sampling and cutting of test pieces and expression of test results
<a href="#"><u>prEN 326-2 rev</u></a> (WI=00112225)	Wood-based panels - Sampling, cutting and inspection - Part 2: Initial type testing and factory production control
<a href="#"><u>prEN 622-5 rev</u></a> (WI=00112226)	Fibreboards - Specifications - Part 5: Requirements for dry process boards (MDF)

## **CEN /TC 134 Resilient, textile and laminate floor coverings**

Secretary: Mr Karin Eufinger (NBN)  
Chairperson: Mr Guy Verrue

## WORK PROGRAMME

<a href="#"><u>EN 13329:2016+A1:2017/prA2</u></a> (WI=00134283)	Laminate floor coverings - Elements with a surface layer based on aminoplastic thermosetting resins - Specifications, requirements and test methods
<a href="#"><u>EN 14978:2016/prA1</u></a> (WI=00134284)	Laminate floor coverings - Elements with acrylic based surface layer, electron beam cured - Specifications, requirements and test methods
<a href="#"><u>EN 15468:2016/prA1</u></a> (WI=00134285)	Laminate floor coverings - Elements with directly applied printing and resin surface layer - Specifications, requirements and test methods
<a href="#"><u>EN ISO 10874:2012/prA1</u></a> (WI=00134280)	Resilient, textile and laminate floor coverings - Classification - Amendment 1
<a href="#"><u>prEN 1307 rev</u></a> (WI=00134289)	Textile floor coverings - Specifications
<a href="#"><u>prEN 16094</u></a> (WI=00134282)	Laminate floor coverings - Test method for the determination of micro-scratch resistance
<a href="#"><u>prEN 17539</u></a> (WI=00134244)	Modular mechanical locked floor coverings (MMF) - Determination of geometrical characteristics

<a href="#">prEN ISO 23999 rev</a> (WI=00134279)	Resilient floor coverings - Determination of dimensional stability and curling after exposure to heat
<a href="#">prEN ISO 4918</a> (WI=00134291)	Resilient, textile and laminate floor coverings - Castor chair test (ISO 4918:2016)
(WI=00134286)	Definition and Declaration of Recyclability and Recycling Potential of textile floor coverings
(WI=00134287)	Definition and declaration of recycled content (organic and inorganic) in textile floor coverings
(WI=00134288)	Textile floor coverings – Determination of resistance to damage at cut edges using the castor chair test
(WI=00134247)	Modular multilayer floating floor covering panels with a mechanical locking system – determination of dimensional stability – influence of temperature

### **CEN/TC 155 Plastics piping systems and ducting systems**

Secretary: Mr Edward Zomers (NEN)

Chairperson: Mrs Monica de la Cruz

**CEN/TC 155/WG 1** Installation outside building structures of flexible piping systems and rainwater infiltration and storage/attenuation systems

**Convenor** : Mr. Peter Verlaan

**Secretary**: Mr. Lodewijk Niemöller

#### **WORK PROGRAMME**

<a href="#">FprCEN/TS 1046</a> (WI=00155961)	Thermoplastics piping and ducting systems - Outside the building structures for gravity and pressurised systems - Trench installation
<a href="#">prCEN/TS 15223 rev</a> (WI=00155978)	Plastics piping systems - Validated design parameters of buried thermoplastics piping systems

**CEN/TC 155/WG 6** PVC piping systems for non-pressure soil and waste discharge, non-pressure rainwater discharge and solid wall non-pressure underground drainage and sewerage

**Convenor** : Mrs Sophie Skorupinski

**Secretary**: Mr Michel Divanach

#### **WORK PROGRAMME**

<a href="#">EN 1329-1:2020</a> (WI=00155927)	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the system
<a href="#">FprCEN/TS 1329-2 rev</a> (WI=00155928)	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Guidance for the assessment of conformity
<a href="#">prEN 1455-1</a> (WI=00155913)	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Acrylonitrile-butadiene-styrene (ABS) - Part 1: Requirements for pipes, fittings and the system
<a href="#">prEN 1566-1</a> (WI=00155972)	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Chlorinated poly(vinyl chloride) (PVC-C) - Part 1: Requirements for pipes, fittings and the system

**CEN/TC 155/WG 8** Systems for water supply and pressure drainage and sewerage - PVC-U (solid wall)

**Convenor**: Mr Andreas Steinmann

**CEN/TC 155/WG 10** Systems of polyolefin material for soil & waste discharge and non-pressure drainage and sewerage

**Convenor** : Mr Jens Martin Storheil

**Secretary**: Mr Tom Erik Larsen

**WORK PROGRAMME**

<a href="#"><u>prCEN/TS 14758-2 rev</u></a> (WI=00155981)	Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene with mineral modifiers (PP-MD) - Part 2: Guidance for the assessment of conformity
<a href="#"><u>prEN 14758-1 rev</u></a> (WI=00155975)	Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene with mineral modifiers (PP-MD) - Part 1: Specifications for pipes, fittings and the system
(WI=00155946)	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure. Polyethylene with mineral modifiers (PP-MD) and polyethylene multi-layer with / without mineral modifiers (PE-MD). Specifications for pipes and the system
(WI=00155947)	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure. Polypropylene with mineral modifiers (PP-MD) and polypropylene multi-layer with / without mineral modifiers (PP-MD). Specifications for pipes and the system

**CEN/TC 155/WG 12** Pressure systems of polyolefin material for gas supply, water supply and drainage and sewerage

**Convenor** : Mr Steve Beech

**Secretary**: Mr Edward Zomers

**WORK PROGRAMME**

<a href="#"><u>prCEN/TS 1555-7 rev</u></a> (WI=00155901)	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 7: Guidance for the assessment of conformity
<a href="#"><u>prEN 12201-1 rev</u></a> (WI=00155915)	Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 1: General
<a href="#"><u>prEN 12201-2 rev</u></a> (WI=00155916)	Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 2: Pipes
<a href="#"><u>prEN 12201-3 rev</u></a> (WI=00155917)	Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 3: Fittings
<a href="#"><u>prEN 12201-5 rev</u></a> (WI=00155919)	Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 5: Fitness for purpose of the system
<a href="#"><u>prEN 1555-1</u></a> (WI=00155871)	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 1: General
<a href="#"><u>prEN 1555-2</u></a> (WI=00155862)	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 2: Pipes
<a href="#"><u>prEN 1555-3</u></a> (WI=00155861)	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 3: Fittings
<a href="#"><u>prEN 1555-5</u></a> (WI=00155863)	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 5: Fitness for purpose of the system
<a href="#"><u>prEN ISO 13479</u></a> (WI=00155923)	Polyolefin pipes for the conveyance of fluids - Determination of resistance to crack propagation - Test method for slow crack growth on notched pipes (ISO/DIS 13479:2020)
<a href="#"><u>prEN ISO 22102</u></a> (WI=00155979)	Polyethylene (PE) materials for piping systems — Determination of the resistance to point loads — Test method

**CEN/TC 155/WG 13** Systems with structured-wall pipes for non-pressure drainage and sewerage - PE, PP, PVC-U

**Convenor** : Mr Peter Verlaan

**Secretary**: Mr Bernd Spykman

**WORK PROGRAMME**

<a href="#"><u>prEN 13476-2 rev</u></a> (WI=00155976)	Plastics piping systems for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 2: Specifications for pipes and fittings with smooth internal and external surface and the system, Type A
<a href="#"><u>prEN 13476-3 rev</u></a> (WI=00155977)	Plastics piping systems for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 3: Specifications for pipes and fittings with smooth internal and profiled external surface and the system, Type B

**CEN/TC 155/WG 14** Systems of glass-reinforced thermosetting plastics for all applications - Polyester, epoxy and polyester resin based concrete

**Convenor** : Mr Högni Jonsson

**WORK PROGRAMME**

<a href="#"><u>prCEN/TS 14632 rev</u></a> (WI=00155868)	Plastics piping systems for drainage, sewerage and water supply, pressure and non-pressure - Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) - Guidance for the assessment of conformity
<a href="#"><u>prEN 15383 rev</u></a> (WI=00155937)	Plastics piping systems for drainage and sewerage - Glass-reinforced thermosetting plastics (GRP) based on polyester resin (UP) - Manholes and inspection chambers
<a href="#"><u>FprEN ISO 23856</u></a> (WI=00155931)	Plastics piping systems for pressure and non-pressure water supply, drainage or sewerage - Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin (ISO/DIS 23856:2019)

**CEN/TC 155/WG 16** Systems for hot and cold water applications

**Convenor** : Mr Horst Stimmelmayer

**Secretary**: Mrs Ruth Schneider

<a href="#"><u>EN ISO 15874-1:2013/prA1</u></a> (WI=00155982)	Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 1: General - Amendment 1
<a href="#"><u>EN ISO 15874-2:2013/prA2</u></a> (WI=00155983)	Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 2: Pipes - Amendment 2
<a href="#"><u>EN ISO 15874-3:2013/prA2</u></a> (WI=00155967)	Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings - Amendment 2
<a href="#"><u>EN ISO 15875-2:2003/prA2</u></a> (WI=00155942)	Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 2: Pipes - Amendment 2
<a href="#"><u>EN ISO 15875-3:2003/prA1</u></a> (WI=00155943)	Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 3: Fittings - Amendment 1
<a href="#"><u>EN ISO 15875-3:2003/prA2</u></a> (WI=00155968)	Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 3: Fittings - Amendment 2
<a href="#"><u>EN ISO 15875-5:2003/prA1</u></a> (WI=00155944)	Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 5: Fitness for purpose of the system - Amendment 1 (ISO 15875-5:2003/DAM 1:2020)
<a href="#"><u>EN ISO 15876-2:2017/prA1</u></a> (WI=00155948)	Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 2: Pipes - Amendment 1
<a href="#"><u>EN ISO 15876-3:2017/prA1</u></a> (WI=00155949)	Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 3: Fittings - Amendment 1
<a href="#"><u>EN ISO 15876-3:2017/prA2</u></a>	Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 3: Fittings - Amendment 2

(WI=00155969)	
<a href="#">EN ISO 15876-5:2017/prA1</a> (WI=00155950)	Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 5: Fitness for purpose of the system - Amendment 1
<a href="#">EN ISO 15877-2:2009/prA2</a> (WI=00155951)	Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 2: Pipes - Amendment 2
<a href="#">EN ISO 15877-3:2009/prA2</a> (WI=00155952)	Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 3: Fittings - Amendment 2
<a href="#">EN ISO 15877-5:2009/prA2</a> (WI=00155953)	Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 5: Fitness for purpose of the system - Amendment 2
<a href="#">EN ISO 21003-3:2008/prA1</a> (WI=00155970)	Multilayer piping systems for hot and cold water installations inside buildings - Part 3: Fittings - Amendment 1
<a href="#">EN ISO 22391-2:2009/prA1</a> (WI=00155954)	Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 2: Pipes - Amendment 1 (ISO 22391-2:2009/DAM 1:2020)
<a href="#">EN ISO 22391-3:2009/prA1</a> (WI=00155955)	Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 3: Fittings - Amendment 1 (ISO 22391-3:2009/DAM 1:2020)
<a href="#">EN ISO 22391-3:2009/prA2</a> (WI=00155971)	Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 3: Fittings - Amendment 2
<a href="#">EN ISO 22391-5:2009/prA1</a> (WI=00155956)	Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 5: Fitness for purpose of the system - Amendment 1 (ISO 22391-5:2009/DAM 1:2020)

## **CEN/TC 155/WG 17**      Rehabilitation of pipeline systems

**Convenor** : Mr Wim Elzink

**Secretary**: Mr Peter Verlaan

### **WORK PROGRAMME**

<a href="#">EN ISO 11296-4:2018/prA1</a> (WI=00155973)	Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes - Amendment 1: Updated definitions, marking requirements and procedure for alternative expression of flexural test results (ISO 11296-4:2018/DAM 1:2020)
<a href="#">FprCEN ISO/TS 23818-1</a> (WI=00155959)	Assessment of conformity of plastics piping systems for the rehabilitation of existing pipelines - Part 1: Polyethylene (PE) material (ISO/TS 23818-1:2020)
<a href="#">prEN ISO 11295 rev</a> (WI=00155980)	Plastics piping systems used for the rehabilitation of pipelines — classification and overview of strategic and operational activities
<a href="#">prEN ISO 11298-4</a> (WI=00155930)	Plastics piping systems for renovation of underground water supply networks - Part 4: Lining with cured-in-place pipes (ISO/DIS 11298-4:2019)

## **CEN/TC 155/WG 20**      Thermoplastics ancillaries for soil and waste discharge and gravity buried drainage and sewerage systems

**Convenor** : Mr Bob Chapman

### **WORK PROGRAMME**

<a href="#">prCEN/TS 13598-3 rev</a> (WI=00155869)	Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride)(PVC-U), polypropylene (PP) and polyethylene (PE) - Part 3: Guidance for assessment of conformity
(WI=00155934)	Plastics piping systems for non-pressure underground conveyance and storage of non-potable water — Manholes, inspection chambers and road gullies for storm water systems made of unplasticized polyvinyl chloride (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 2: Specifications for road gullies



(WI=00155935)	Plastics piping systems for non-pressure underground conveyance and storage of non-potable water — Manholes, inspection chambers and road gullies for storm water systems made of unplasticized polyvinyl chloride (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 1: Specifications for storm water manholes and inspection chambers
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**CEN/TC 155/WG 21** Internal CEN/TC 155 Guidance documents and templates for standards development

**Convenor** : Mr Yan Archambeau

**Secretary**: Mrs Sophie Skorupinski

**CEN/TC 155/WG 23** Thermoplastics systems for industrial applications

**Convenor** : Mr Andreas Neubert

**Secretary**: Mr Guido Höppner

#### **WORK PROGRAMME**

<a href="#"><u>EN ISO 15493:2003/prA2</u></a> (WI=00155929)	Plastics piping systems for industrial applications - Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) - Specifications for components and the system - Metric series
<a href="#"><u>EN ISO 15494:2018/FprA1</u></a> (WI=00155932)	Plastics piping systems for industrial applications - Polybutene (PB), polyethylene (PE), polyethylene of raised temperature resistance (PE-RT), crosslinked polyethylene (PE-X), polypropylene (PP) - Metric series for specifications for components and the system - Amendment 1

**CEN/TC 155/WG 25** Recycling of PVC-U, PE and PP materials

**Convenor** : Mr Lodewijk Niemöller

**Secretary**: Mr Peter Verlaan

#### **WORK PROGRAMME**

<a href="#"><u>prCEN/TR 14541-2</u></a> (WI=00155984)	Plastics pipes and fittings — Utilisation of thermoplastics recyclates — Part 2 Characteristics
<a href="#"><u>prEN 14541-1</u></a> (WI=00155985)	Plastics pipes and fittings — Utilisation of thermoplastics recyclates — Part 1: Terminology

**CEN/TC 155/WG 26** Systems for storm water handling

**Convenor** : Mr Martin Lambley

**Secretary**: Mr Edward Zomers

#### **WORK PROGRAMME**

(WI=00155962)	Plastics piping systems for non-pressure underground conveyance and storage of nonpotable water — Boxes used for infiltration, attenuation and storage systems — Part 3: Assessment of conformity
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**CEN/TC 155/WG 27** Environmental aspects

**Convenor** : Mr Peter Sejersen

**Secretary**: Mr Edward Zomers

## WORK PROGRAMME

<a href="#"><u>prEN 16903</u></a> (WI=00155958)	Plastics piping systems - Environmental product declarations - Product Category Rules complementary to EN 15804, for buried plastics piping systems
<a href="#"><u>prEN 16904</u></a> (WI=00155957)	Plastics piping systems - Environmental product declarations - Product Category rules complementary to EN 15804, for plastic piping systems inside buildings

**CEN/TC 155/WG 28** Material assessment related to long term performance of non-pressure plastic piping systems

**Convenor** : Mr Przemyslaw Hruszka

**Secretary**: Mr Lodewijk Niemöller

**CEN/TC 155/WG 29** Non pressure hENs

**Convenor** : Mr Michel Divanach

**CEN/TC 155/WG 30** Pressure hENs

**CEN/TC 155/WG 31** CPR-water issues

**Convenor** : Mr Michel Divanach

**CEN/TC 155/WG 32** Valves

**Convenor** : Mr Oleg Clericuzio

**Secretary**: Mr. Gianluigi Moroni

## WORK PROGRAMME

<a href="#"><u>prEN 12201-4 rev</u></a> (WI=00155918)	Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE) - Part 4: Valves
<a href="#"><u>prEN 1555-4</u></a> (WI=00155867)	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 4: Valves
<a href="#"><u>prEN ISO 16486-4</u></a> (WI=00155945)	Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 4: Valves
<a href="#"><u>prEN ISO 17778 rev</u></a> (WI=00155966)	Plastics piping systems - Fittings, valves and ancillaries - Determination of gaseous flow rate/pressure drop relationships

**CEN/TC 163** Sanitary appliances

**Secretary**: Ms Clara Miramonti (UNI)

**Chairperson**: Dr Luciano Galassini

**CEN/TC 163/WG 3** Closet bowls, flushing cisterns, urinals, bidets and kitchen sinks

**Convenor** : Mr Martin Hartmann

**Secretary**: Mr. Eric Mundt

## WORK PROGRAMME

(WI=00163141)	Sanitary appliances - Specification for WC seats
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**CEN/TC 163/WG 4** Baths (W/ Pools) - Shower trays (Performance testing)

**Convenor** : Mr Andy McLean



**Secretary:** Ms. Jacky Duncan

**CEN/TC 164** Water supply

Secretary: Mr. Antoine Gaussorgues

Chairperson: Mr. Phillipe Pied

**WORK PROGRAMME**

<a href="#"><u>EN 1111:2017/prA1</u></a> (WI=00164653)	Sanitary tapware - Thermostatic mixing valves (PN 10) - General technical specification
<a href="#"><u>EN 1287:2017/prA1</u></a> (WI=00164642)	Sanitary tapware - Low pressure thermostatic mixing valves - General technical specification
<a href="#"><u>prEN 1017 rev</u></a> (WI=00164673)	Chemicals used for treatment of water intended for human consumption - Half-burnt dolomite
<a href="#"><u>prEN 1018 rev</u></a> (WI=00164662)	Chemicals used for treatment of water intended for human consumption - Calcium carbonate
<a href="#"><u>prEN 12120 rev</u></a> (WI=00164640)	Chemicals used for treatment of water intended for human consumption - Sodium hydrogen sulfite
<a href="#"><u>prEN 12121 rev</u></a> (WI=00164641)	Chemicals used for treatment of water intended for human consumption - Sodium disulfite
<a href="#"><u>prEN 12123 rev</u></a> (WI=00164643)	Chemicals used for treatment of water intended for human consumption - Ammonium sulfate
<a href="#"><u>prEN 12124 rev</u></a> (WI=00164664)	Chemicals used for treatment of water intended for human consumption - Sodium sulfite
<a href="#"><u>prEN 12125 rev</u></a> (WI=00164656)	Chemicals used for treatment of water intended for human consumption - Sodium thiosulfate
<a href="#"><u>prEN 12126 rev</u></a> (WI=00164665)	Chemicals used for treatment of water intended for human consumption - Liquefied ammonia
<a href="#"><u>prEN 12174 rev</u></a> (WI=00164657)	Chemicals used for treatment of water intended for human consumption - Sodium hexafluorosilicate
<a href="#"><u>prEN 12175 rev</u></a> (WI=00164659)	Chemicals used for treatment of water intended for human consumption - Hexafluorosilicic acid
<a href="#"><u>prEN 12541 rev</u></a> (WI=00164695)	Sanitary tapware - Pressure flushing valves and automatic closing urinal valves PN 10
<a href="#"><u>prEN 12729 rev</u></a> (WI=00164605)	Devices to prevent pollution by backflow of potable water - Controllable backflow preventer with reduced pressure zone - Family B - Type A
<a href="#"><u>prEN 12873-2 rev</u></a> (WI=00164612)	Influence of materials on water intended for human consumption - Influence due to migration - Part 2: Test method for non-metallic and non-cementitious site-applied materials
<a href="#"><u>prEN 12873-4 rev</u></a> (WI=00164622)	Influence of materials on water intended for human consumption - Influence due to migration - Part 4: Test method for water treatment membranes
<a href="#"><u>prEN 12901 rev</u></a> (WI=00164630)	Products used for treatment of water intended for human consumption - Inorganic supporting and filtering materials - Definitions
<a href="#"><u>prEN 12902 rev</u></a> (WI=00164631)	Products used for treatment of water intended for human consumption - Inorganic supporting and filtering materials - Methods of test
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<a href="#"><u>prEN 12904 rev</u></a> (WI=00164627)	Products used for treatment of water intended for human consumption - Silica sand and silica gravel
<a href="#"><u>prEN 12907 rev</u></a> (WI=00164609)	Products used for treatment of water intended for human consumption - Pyrolyzed coal material
<a href="#"><u>prEN 12915-1 rev</u></a> (WI=00164619)	Products used for the treatment of water intended for human consumption - Granular activated carbon - Part 1: Virgin granular activated carbon

<a href="#"><u>prEN 12915-2 rev</u></a> (WI=00164608)	Products used for the treatment of water intended for human consumption - Granular activated carbon - Part 2: Reactivated granular activated carbon
<a href="#"><u>prEN 13077 rev</u></a> (WI=00164690)	Devices to prevent pollution by backflow of potable water - Air gap with non-circular overflow (unrestricted) - Family A - Type B
<a href="#"><u>prEN 13079 rev</u></a> (WI=00164670)	Devices to prevent pollution by backflow of potable water - Air gap with injector - Family A - Type D
<a href="#"><u>prEN 13433</u></a> (WI=00164681)	Devices to prevent pollution by backflow of potable water - Mechanical disconnector, direct actuated - Family G, type A
<a href="#"><u>prEN 13434</u></a> (WI=00164682)	Devices to prevent pollution by backflow of potable water - Mechanical disconnector, hydraulic actuated - Family G, type B
<a href="#"><u>prEN 13753 rev</u></a> (WI=00164614)	Products used for treatment of water intended for human consumption - Granular activated alumina
<a href="#"><u>prEN 13754 rev</u></a> (WI=00164618)	Products used for treatment of water intended for human consumption - Bentonite
<a href="#"><u>prEN 13828 rev</u></a> (WI=00164650)	Building valves - Manually operated copper alloy and stainless steel ball valves for potable water supply in buildings - Tests and requirements
<a href="#"><u>prEN 1421 rev</u></a> (WI=00164658)	Chemicals used for treatment of water intended for human consumption - Ammonium chloride
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<a href="#"><u>prEN 14454 rev</u></a> (WI=00164632)	Devices to prevent pollution by backflow of potable water - Hose union backflow preventer DN 15 to DN 32 - Family H, type A
<a href="#"><u>prEN 14456 rev</u></a> (WI=00164629)	Products used for treatment of water intended for human consumption - Bone charcoal
<a href="#"><u>prEN 14664 rev</u></a> (WI=00164638)	Chemicals used for treatment of water intended for human consumption - Iron (III) sulfate, solid
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<a href="#"><u>prEN 1490 rev</u></a> (WI=00164685)	Building valves - Combined temperature and pressure relief valves - Tests and requirements
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<a href="#"><u>prEN 15028 rev</u></a> (WI=00164654)	Chemicals used for treatment of water intended for human consumption - Sodium chlorate
<a href="#"><u>prEN 15030 rev</u></a> (WI=00164663)	Chemicals used for treatment of water intended for human consumption - Silver salts for intermittent use
<a href="#"><u>prEN 15031 rev</u></a> (WI=00164660)	Chemicals used for treatment of swimming pool water - Aluminium based coagulants
<a href="#"><u>prEN 15039 rev</u></a> (WI=00164621)	Chemicals used for treatment of water intended for human consumption - Antiscalants for membranes - Polycarboxylic acids and salts
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<a href="#"><u>prEN 15072 rev</u></a> (WI=00164651)	Chemicals used for treatment of swimming pool water - Sodium dichloroisocyanurate, anhydrous
<a href="#"><u>prEN 15073 rev</u></a> (WI=00164675)	Chemicals used for treatment of swimming pool water - Sodium dichloroisocyanurate, dihydrate
<a href="#"><u>prEN 15075 rev</u></a> (WI=00164674)	Chemicals used for treatment of swimming pool water - Sodium hydrogen carbonate
<a href="#"><u>prEN 15076 rev</u></a> (WI=00164676)	Chemicals used for treatment of swimming pool water - Sodium hydroxide
<a href="#"><u>prEN 15077 rev</u></a> (WI=00164677)	Chemicals used for treatment of swimming pool water - Sodium hypochlorite
<a href="#"><u>prEN 15078 rev</u></a> (WI=00164678)	Chemicals used for treatment of swimming pool water - Sulfuric acid
<a href="#"><u>prEN 1508 rev</u></a> (WI=00164697)	Water supply - Requirements for systems and components for the storage of water
<a href="#"><u>prEN 15091 rev</u></a> (WI=00164599)	Sanitary tapware - Electronic opening and closing sanitary tapware
<a href="#"><u>prEN 15362 rev</u></a> (WI=00164698)	Chemicals used for treatment of swimming pool water - Sodium carbonate
<a href="#"><u>prEN 15363 rev</u></a> (WI=00164704)	Chemicals used for treatment of swimming pool water – Chlorine
<a href="#"><u>prEN 15482 rev</u></a> (WI=00164655)	Chemicals used for treatment of water intended for human consumption – Sodium permanganate
<a href="#"><u>prEN 15513 rev</u></a> (WI=00164700)	Chemicals used for treatment of swimming pool water - Carbon dioxide
<a href="#"><u>prEN 15514 rev</u></a> (WI=00164699)	Chemicals used for treatment of swimming pool water - Hydrochloric acid
<a href="#"><u>prEN 15664-1 rev</u></a> (WI=00164617)	Influence of metallic materials on water intended for human consumption - Dynamic rig test for assessment of metal release - Part 1: Design and operation
<a href="#"><u>prEN 15796 rev</u></a> (WI=00164652)	Chemicals used for treatment of swimming pool water - Calcium hypochlorite
<a href="#"><u>prEN 15797 rev</u></a> (WI=00164639)	Chemicals used for the treatment of swimming pool water - Iron based coagulants
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<a href="#"><u>prEN 16070 rev</u></a> (WI=00164628)	Products used for treatment of water intended for human consumption - Natural zeolite
<a href="#"><u>prEN 16370 rev</u></a> (WI=00164645)	Chemicals used for treatment of water intended for human consumption - Sodium chloride for on site electrochlorination using membrane cells
<a href="#"><u>prEN 16380 rev</u></a> (WI=00164702)	Chemicals used for treatment of swimming pool water - Potassium peroxomonosulfate
<a href="#"><u>prEN 16381 rev</u></a> (WI=00164701)	Chemicals used for treatment of swimming pool water - Sodium peroxodisulfate
<a href="#"><u>prEN 16399 rev</u></a> (WI=00164703)	Chemicals used for treatment of swimming pool water - Sodium thiosulfate
<a href="#"><u>prEN 16400 rev</u></a> (WI=00164706)	Chemicals used for treatment of swimming pool water - Hydrogen peroxide

<a href="#"><u>prEN 16401 rev</u></a> (WI=00164705)	Chemicals used for treatment of swimming pool water - Sodium chloride used for electrochlorinator systems
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<a href="#"><u>prEN 805 rev</u></a> (WI=00164624)	Water supply - Requirements for systems and components outside buildings
<a href="#"><u>prEN 806-1 rev</u></a> (WI=00164610)	Specifications for installations inside buildings conveying water for human consumption - Part 1: General
<a href="#"><u>prEN 806-2 rev</u></a> (WI=00164611)	Specification for installations inside buildings conveying water for human consumption - Part 2: Design and dimensioning
<a href="#"><u>prEN 806-3 rev</u></a> (WI=00164620)	Specifications for installations inside buildings conveying water for human consumption - Part 3: Installation
<a href="#"><u>prEN 806-4 rev</u></a> (WI=00164615)	Specifications for installations inside buildings conveying water for human consumption - Part 4: Operation and maintenance
<a href="#"><u>prEN 817 rev</u></a> (WI=00164671)	Sanitary tapware - Mechanical mixing valves (PN 10) - General technical specifications
<a href="#"><u>prEN 888</u></a> (WI=00164636)	Chemicals used for treatment of water intended for human consumption - Iron (III) chloride
<a href="#"><u>prEN 889 rev</u></a> (WI=00164634)	Chemicals used for treatment of water intended for human consumption - Iron (II) sulfate
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<a href="#"><u>prEN 896 rev</u></a> (WI=00164666)	Chemicals used for treatment of water intended for human consumption - Sodium hydroxide
<a href="#"><u>prEN 897 rev</u></a> (WI=00164644)	Chemicals used for treatment of water intended for human consumption - Sodium carbonate
<a href="#"><u>prEN 898 rev</u></a> (WI=00164649)	Chemicals used for treatment of water intended for human consumption - Sodium hydrogen carbonate
<a href="#"><u>prEN 899 rev</u></a> (WI=00164648)	Chemicals used for treatment of water intended for human consumption - Sulphuric acid
<a href="#"><u>prEN 900 rev</u></a> (WI=00164693)	Chemicals used for treatment of water intended for human consumption - Calcium hypochlorite
<a href="#"><u>prEN 901 rev</u></a> (WI=00164679)	Chemicals used for treatment of water intended for human consumption - Sodium hypochlorite
<a href="#"><u>prEN 936 rev</u></a> (WI=00164707)	Chemicals used for treatment of water intended for human consumption - Carbon dioxide
<a href="#"><u>prEN 938 rev</u></a> (WI=00164694)	Chemicals used for treatment of water intended for human consumption - Sodium chlorite
(WI=00164626)	Glass beads and glass granulate intended for treatment of water for human consumption and swimming pools water
(WI=00164686)	Building valves — Combined Products— Tests and requirements
(WI=00164687)	Valves and fittings for buildings and devices to prevent pollution by backflow of potable water — polymer parts and housings under internal pressure and without external loads

(WI=00164684)	Frost resistant outdoor taps for outdoor use – general technical specification
(WI=00164689)	In-situ generating and dosing devices of biocides for drinking and swimming pool water treatment - Ozone
(WI=00164623)	Guidelines for water safety plan concept in buildings

## CEN/TC 165 Waste water engineering

Chairperson: Mr Werner Kristeller

Secretary: Mr Erik Heldt

## WORK PROGRAMME

<a href="#"><u>EN 295-4:2013/prA1</u></a> (WI=00165281)	Vitrified clay pipe systems for drains and sewers - Part 4: Requirements for adaptors, connectors and flexible couplings
<a href="#"><u>FprCEN/TR 17614</u></a> (WI=00165335)	Standard method for assessing and improving the energy efficiency of waste water treatment plants
<a href="#"><u>FprEN 14654-1</u></a> (WI=00165327)	Drain and sewer systems outside buildings - Management and control of activities - Part 1: General requirements
<a href="#"><u>FprEN 14654-2</u></a> (WI=00165325)	Drain and sewer systems outside buildings - Management and control of activities - Part 2: Rehabilitation
<a href="#"><u>FprEN 14654-3</u></a> (WI=00165326)	Drain and sewer systems outside buildings - Management and control of activities - Part 3: Cleaning
<a href="#"><u>FprEN 14654-4</u></a> (WI=00165304)	Drain and sewer systems outside buildings - Management and control of activities - Part 4: Control of inputs from users
<a href="#"><u>FprEN 16941-2</u></a> (WI=00165283)	On-site non-potable water systems - Part 2: Systems for the use of treated greywater
<a href="#"><u>prEN 1123-1 rev</u></a> (WI=00165313)	Pipes and fittings of longitudinally welded hot-dip galvanized steel tube with spigot and socket for waste water systems - Part 1: Requirements, testing, quality control
<a href="#"><u>prEN 1123-2 rev</u></a> (WI=00165314)	Pipes and fittings of longitudinally welded hot-dip galvanized steel tube with spigot and socket for waste water systems - Part 2: Dimensions
<a href="#"><u>prEN 1124-1 rev</u></a> (WI=00165315)	Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems - Part 1: Requirements, testing, quality control
<a href="#"><u>prEN 12255-1 rev</u></a> (WI=00165316)	Wastewater treatment plants - Part 1: General construction principles
<a href="#"><u>prEN 12255-10 rev</u></a> (WI=00165333)	Wastewater treatment plants - Part 10: Safety principles
<a href="#"><u>prEN 12255-11 rev</u></a> (WI=00165319)	Wastewater treatment plants - Part 11: General data required
<a href="#"><u>prEN 12255-12 rev</u></a> (WI=00165332)	Wastewater treatment plants - Part 12: Control and automation
<a href="#"><u>prEN 12255-13 rev</u></a> (WI=00165330)	Wastewater treatment plants - Part 13: Chemical treatment - Treatment of wastewater by precipitation/flocculation
<a href="#"><u>prEN 12255-14 rev</u></a> (WI=00165334)	Wastewater treatment plants - Part 14: Disinfection
<a href="#"><u>prEN 12255-15 rev</u></a> (WI=00165329)	Wastewater treatment plants - Part 15: Measurement of the oxygen transfer in clean water in aeration tanks of activated sludge plants
<a href="#"><u>prEN 12255-16</u></a> (WI=00165308)	Wastewater treatment plants - Part 16: Physical (mechanical) filtration
<a href="#"><u>prEN 12255-3 rev</u></a> (WI=00165331)	Wastewater treatment plants - Part 3: Preliminary treatment

<a href="#"><u>prEN 12255-4 rev</u></a> (WI=00165323)	Wastewater treatment plants - Part 4: Primary settlement
<a href="#"><u>prEN 12255-5 rev</u></a> (WI=00165320)	Wastewater treatment plants - Part 5: Lagooning processes
<a href="#"><u>prEN 12255-6 rev</u></a> (WI=00165321)	Wastewater treatment plants - Part 6: Activated sludge process
<a href="#"><u>prEN 12255-7 rev</u></a> (WI=00165322)	Wastewater treatment plants - Part 7: Biological fixed-film reactors
<a href="#"><u>prEN 12255-8 rev</u></a> (WI=00165317)	Wastewater treatment plants - Part 8: Sludge treatment and storage
<a href="#"><u>prEN 12255-9 rev</u></a> (WI=00165318)	Wastewater treatment plants - Part 9: Odour control and ventilation
<a href="#"><u>prEN 12380 rev</u></a> (WI=00165311)	Air admittance valves for drainage systems - Requirements, tests methods and evaluation of conformity
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<a href="#"><u>prEN 1253-7</u></a> (WI=00165338)	Gullies for buildings - Part 7: Trapped floor gullies with mechanical closure
<a href="#"><u>prEN 1253-8</u></a> (WI=00165339)	Gullies for buildings - Part 8: Trapped floor gullies with combined mechanical closure and water seal
<a href="#"><u>prEN 12566-1 rev</u></a> (WI=00165345)	Small wastewater treatment systems for up to 50 PT - Part 1: Packaged and/or site assembled septic tank
<a href="#"><u>prEN 12566-3 rev</u></a> (WI=00165346)	Small wastewater treatment systems for up to 50 PT - Part 3: Packaged and/or site assembled domestic wastewater treatment plant
<a href="#"><u>prEN 12566-4 rev</u></a> (WI=00165347)	Small wastewater treatment systems for up to 50 PT - Part 4: Septic tanks assembled in situ from prefabricated kits
<a href="#"><u>prEN 12566-6 rev</u></a> (WI=00165348)	Small wastewater treatment systems for up to 50 PT - Part 6: Prefabricated secondary treatment unit
<a href="#"><u>prEN 12566-7 rev</u></a> (WI=00165344)	Small wastewater treatment systems for up to 50 PT - Part 7: Prefabricated tertiary treatment unit
<a href="#"><u>prEN 12889</u></a> (WI=00165290)	Trenchless construction and testing of drains and sewers
<a href="#"><u>prEN 13101 rev</u></a> (WI=00165309)	Steps for underground man entry chambers - Requirements, marking, testing and evaluation of conformity
<a href="#"><u>prEN 13564-1 rev</u></a> (WI=00165282)	Anti-flooding devices for buildings - Part 1: Requirements
<a href="#"><u>prEN 1433 rev</u></a> (WI=00165306)	Drainage channels for vehicular and pedestrian areas - Classification, design and testing requirements, marking and evaluation of conformity
<a href="#"><u>prEN 14396 rev</u></a> (WI=00165310)	Fixed ladders for manholes
<a href="#"><u>prEN 16397-1 rev</u></a> (WI=00165297)	Flexible couplings - Part 1: Performance requirements
<a href="#"><u>prEN 16397-2 rev</u></a> (WI=00165298)	Flexible couplings - Part 2: Characteristics and testing for metal banded flexible couplings, adaptors and bushes
<a href="#"><u>prEN 16933-1</u></a> (WI=00165312)	Drain and sewer systems outside buildings - Design - Part 1: Layout principles
<a href="#"><u>prEN 1916 rev</u></a> (WI=00165307)	Concrete pipes and fittings, unreinforced, steel fibre and reinforced
<a href="#"><u>prEN 1917 rev</u></a> (WI=00165305)	Concrete manholes and inspection chambers, unreinforced, steel fibre and reinforced



<a href="#"><u>prEN 476 rev</u></a> (WI=00165336)	General requirements for components used in drains and sewers
<a href="#"><u>prEN ISO 11296-9</u></a> (WI=00165340)	Plastics piping systems for the renovation of underground non-pressure drainage and sewerage networks - Part 9: Lining with a rigidly anchored plastics inner layer
(WI=00165349)	(EN 12255-2) Wastewater treatment plants - Part 2: Storm management systems
(WI=00165277)	Gully tops and manhole tops for vehicular and pedestrian areas — Guidance for voluntary third party certification procedures
(WI=00165328)	Requirements and test methods for renovation methods for non-pressure drainage and sewerage networks inside buildings
(WI=00165343)	Mortar for the construction and rehabilitation of drains and sewers outside buildings - Part 3: Requirements for polymeric materials
(WI=00165342)	Mortar for the construction and rehabilitation of drains and sewers outside buildings - Part 2: Requirements for cement-based materials
(WI=00165324)	Gully tops and manhole tops for vehicular and pedestrian areas – Part 7: Gully tops and manhole tops made of polyamide
(WI=00165341)	Mortar for the construction and rehabilitation of drains and sewers outside buildings - Part 1: General functional requirements and characteristics

**CEN/TC 210** GRP tanks and vessels  
Secretary: Mr. Gunnar Hanschke (DIN)  
Chairperson: Prof Gottfried Nonhoff

<a href="#"><u>FprEN 13121-1 rev</u></a> (WI=00210019)	GRP tanks and vessels for use above ground - Part 1: Raw materials - Specification conditions and acceptance conditions
<a href="#"><u>prEN 13121-3 rev</u></a> (WI=00210020)	GRP tanks and vessels for use above ground - Part 3: Design and workmanship

**CEN/TC 248/WG 4** Coated fabrics  
Secretary: Ms. Jöelle Perez (AFNOR)  
Convenor: Mr. Laurent Houillon

## WORK PROGRAMME

<a href="#"><u>prEN 15618 rev</u></a> (WI=00248708)	Rubber- or plastic-coated fabrics - Upholstery fabrics - Classification and methods of test
<a href="#"><u>prEN 17117-2</u></a> (WI=00248591)	Rubber or plastics-coated fabrics - Mechanical test methods under biaxial stress states - Part 2: Determination of the pattern compensation values
<a href="#"><u>prEN 1875-3 rev</u></a> (WI=00248707)	Rubber- or plastics- coated fabrics - Determination of tear strength - Part 3: Trapezoidal method
<a href="#"><u>prEN ISO 4674-2 rev</u></a> (WI=00248677)	Rubber- or plastics-coated fabrics - Determination of tear resistance - Part 2: Ballistic pendulum method
<a href="#"><u>prEN ISO 5470-2 rev</u></a> (WI=00248678)	Rubber- or plastics-coated fabrics - Determination of abrasion resistance - Part 2: Martindale abrader
<a href="#"><u>prEN ISO 6450</u></a> (WI=00248696)	Rubber- or plastics-coated fabrics -- Determination of resistance to liquids

**CEN/TC 249** Plastics  
Secretary: Mr Hubert Janssens NBN  
Chairperson: Mr Huub Omloo

**CEN/TC 249/WG 4** Decorative laminated sheets based on thermosetting resins  
Convenor : Vacant

**Secretary:** Mr Gianluigi Moroni

**CEN/TC 249/WG 5** Thermoplastic profiles for building applications

**Convenor :** Mrs. Elisabeth Charrier

**Secretary:** M. Yan Archambeau

**WORK PROGRAMME**

<a href="#">prEN 13245-1 rev</a> (WI=00249992)	Plastics - Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications - Part 1: Designation of PVC-U profiles
<a href="#">prEN 13245-2 rev</a> (WI=00249991)	Plastics - Unplasticized poly(vinyl chloride) (PVC-U) and cellular unplasticized poly(vinyl chloride) (PVC-UE) profiles for building applications - Part 2: PVC-U profiles and PVC-UE profiles for internal and external wall and ceiling finishes
<a href="#">prEN 13245-3 rev</a> (WI=00249993)	Plastics - Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications - Part 3: Designation of PVC-UE profiles

**CEN/TC 249/WG 7** Thermoplastic films for use in agriculture

**Convenor :** Mr Andrea Ferraresi

**Secretary:** Mr Gianluigi Moroni

**CEN/TC 249/WG 9** Bio-based and biodegradable plastics

**Convenor :** Mr Francesco Degli Innocenti

**Secretary:** Mr Gianluigi Moroni

<a href="#">EN 17417:2020</a> (WI=00249A11)	Determination of the ultimate biodegradation of plastics materials in an aqueous system under anoxic (denitrifying) conditions - Method by measurement of pressure increase
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**CEN/TC 249/WG 11** Plastics recycling

**Convenor :** Mr Jens Lühr

**Secretary:** Mrs Stefanie Bierwirth

**WORK PROGRAMME**

<a href="#">FprCEN/TS 16010</a> (WI=00249A2W)	Plastics - Recycled plastics - Sampling procedures for testing plastics waste and recyclates
<a href="#">FprCEN/TS 17627</a> (WI=00249A2B)	Plastics — Recycled plastics — Determination of solid contaminants content
<a href="#">prEN 17410</a> (WI=00249A08)	Plastics - Controlled loop recycling of post-consumer (or post-use) PVC-U windows and doors
<a href="#">prEN 15344 rev</a> (WI=00249A1V)	Plastics - Recycled Plastics - Characterisation of Polyethylene (PE) recyclates

**CEN/TC 249/WG 13** Wood Plastics Composites (WPC)

**Convenor :** Mr Reinhard Lietzmann

**Secretary:** Mrs Laura Dehne

**WORK PROGRAMME**

<a href="#">prEN 15534-5</a> (WI=00249A0P)	Composites made from cellulose-based materials and thermoplastics (usually called wood-polymer composites (WPC) or natural fibre composites (NFC)) - Part 5: Specifications for cladding profiles and tiles
<a href="#">prEN 15534-2</a> (WI=00249981)	Composites made from cellulose-based materials and thermoplastics (usually called wood-polymer composites (WPC) or natural fibre composites (NFC)) - Part 2: Characterisation of compounds

## **CEN/TC 249/WG 16** Welding of thermoplastics

**Convenor** : Mr. Michele Murgia

**Secretary**: Mr Gianluigi Moroni

### **WORK PROGRAMME**

<a href="#">prEN 12814-2</a> (WI=00249A17)	Testing of welded joints of thermoplastics semi-finished products - Part 2: Tensile test
<a href="#">prEN 12814-8</a> (WI=00249A16)	Testing of welded joints of thermoplastics semi-finished products - Part 8: Requirements
<a href="#">prEN 16296</a> (WI=00249A0Z)	Imperfections in thermoplastics welded joints - Quality levels

## **CEN/TC 249/WG 19** Light exposure

**Convenor** : Mr Xavier Duteurtre

**Secretary**: M. Yan Archambeau

## **CEN/TC 249/WG 21** Profiles for windows and doors

**Convenor** : Mr Andreas Franzelin

**Secretary**: Mr Matthias Müller

### **WORK PROGRAMME**

<a href="#">prEN 17508</a> (WI=00249A28)	Plastics - Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors - Terminology of PVC based materials
(WI=00249A0K)	Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors — Classification, requirements and test methods — Part 2: PVC-U profiles covered with foils bonded with adhesives

## **CEN/TC 249/WG 22** Wallcovering panels for building applications

**Convenor** : M. Christian Vinson

**Secretary**: M. Yan Archambeau

### **WORK PROGRAMME**

<a href="#">FprEN 17104</a> (WI=00249922)	Thermoplastics rigid protective wallcovering panels for internal use in buildings - Performance characteristics
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## **CEN/TC 249/WG 24** Environmental aspects

**Secretary**: Mrs Stefanie Bierwirth

### **WORK PROGRAMME**

<a href="#">prEN17615</a> (WI=00249A29)	Plastics - Environmental Aspects - Vocabulary
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## **CEN/TC 249/WG 25** Static thermoplastic tanks for above ground storage of fuel

**Convenor** : Mr James McGreer

### **WORK PROGRAMME**

<a href="#">prEN 13341 rev</a> (WI=00249A2C)	Static thermoplastic tanks for above ground storage of liquid fuels - Product characteristics and test methods
(WI=00249A24)	Static thermoplastic tank with its specific secondary containment for above ground storage of fuel - Product characteristics and test methods

## **CEN/TC 355 Lighters**

**Secretary:** Mrs Laurine Caracchioli

### **WORK PROGRAMME**

<a href="#">prEN ISO 9994 rev</a> (WI=00355008)	Lighters - Safety specification
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## **CEN/TC 107 Prefabricated district heating and district cooling pipe system**

**Chairperson :** Mr Karsten Randrup

**Secretary :** Mr Henryk Stawicki

### **CEN/TC 107/WG 2 Basic consideration**

**Secretary:** Ms. Lisa Almkvist

**Convenor :** Mr Peter Rønbøgg

### **CEN/TC 107/WG 3 PUR-foam properties**

**Convenor :** Mr. Heiko Below

**Secretary:** Mrs Mareike Tscheuschner

### **CEN/TC 107/WG 4 Joints casing systems**

**Convenor :** Mr. Andreas Schmidt

**Secretary:** Mr. Andreas Schmidt

### **CEN/TC 107/WG 5 Fittings, valves and twin pipes**

**Secretary:** Mrs Mareike Tscheuschner

**Convenor :** Dipl. Ing. Rolf Besier

### **WORK PROGRAMME**

(WI=00107072)	Fittings for venting and draining - Requirements
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### **CEN/TC 107/WG 9 PE Casings**

**Convenor :** Mr. Andreas Schmidt

### **CEN/TC 107/WG 10 Flexible pipe systems for district heating**

**Convenor :** Mr. Horst Stimmelmayer

**Secretary:** Mrs Mareike Tscheuschner

### **WORK PROGRAMME**

<a href="#">prEN 15632-1</a> (WI=00107054)	District heating pipes - Pre-insulated flexible pipe systems - Part 1: Classification, general requirements and test methods
<a href="#">prEN 15632-2</a> (WI=00107053)	District heating pipes - Pre-insulated flexible pipe systems - Part 2: Bonded plastic service pipes - Requirements and test methods
<a href="#">prEN 15632-3</a> (WI=00107052)	District heating pipes - Pre-insulated flexible pipe systems - Part 3: Non bonded system with plastic service pipes; requirements and test methods
<a href="#">prEN 15632-4</a> (WI=00107050)	District heating pipes - Pre-insulated flexible pipe systems - Part 4: Bonded system with metal service pipes; requirements and test methods
(WI=00107073)	Pre-insulated, flexible district heating pipe system with a bonded fiber reinforced plastic service pipe - Requirements and test methods

(WI=00107080)	District heating pipes – Flexible pipe systems with a lower temperature profile
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#### **CEN/TC 107/WG 11** Surveillance facilities

**Secretary:** Mr. Henryk Stawicki

**Convenor:** Mr. Michael Haushahn

#### **CEN/TC 107/WG 12** Polymer Service Pipes

**Convenor :** Mr. Andreas Schmidt

**Secretary:** Mr. Steve Beech

#### **CEN/TC 107/WG 13** Preinsulated district heating pipe systems - Design and installation

**Convenor :** Mr. Christoph Kreutz

**Secretary:** Mrs. Mareike Tscheuschner

#### **CEN/TC 107/WG 14** District cooling

**Convenor :** Mr. Niclas De Lorenzi

**Secretary:** Ms. Lisa Almkvist

#### **WORK PROGRAMME**

<a href="#"><u>prEN 17415-2</u></a> (WI=00107079)	District cooling pipes —Bonded single pipe systems for directly buried cold water networks — Part 2: Factory made fitting assemblies of steel or plastic service pipe, polyurethane thermal insulation and a casing of polyethylene
<a href="#"><u>prEN 17415-3</u></a> (WI=00107077)	District cooling pipes —Bonded single pipe systems for directly buried cold water networks — Part 3: Factory made steel valve assembly for steel or plastic service pipe, polyurethane thermal insulation and a casing of polyethylene
(WI=00107075)	District cooling pipes – Design and installation of thermal insulated bonded single and twin pipe systems for directly buried cold water networks – Part 1: Design
(WI=00107076)	District cooling pipes — Factory made bonded pipe systems for directly buried cold water networks - Surveillance systems
(WI=00107078)	District cooling pipes —Bonded single pipe systems for directly buried cold water networks — Part 4 – Joint casing assemblies of polyurethane thermal insulation and a casing of polyethylene for steel or plastic service pipes
(WI=00107074)	District cooling pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried cold water networks - Part 2: Installation

#### **CEN/TC 254** Flexible sheets for waterproofing

Chairperson : Mr Martin Londschien

Secretary: Mrs Annemarie Mewe (NEN)

#### **CEN/TC 254/WG 1** Coordination

**Secretary:** Mrs Annemarie Mewe (NEN)

#### **CEN/TC 254/WG 3** Material properties relevant to wind uplift resistance

**Convenor :** Mr. Fredrik Rundgren

**Secretary:** Mrs Annemarie Mewe (NEN)

#### **WORK PROGRAMME**

(WI=00254184)	Flexible sheets for waterproofing – Determination of the resistance to wind load of bonded flexible sheets for roof waterproofing
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#### **CEN/TC 254/WG 6** Bridge deck waterproofing

**Convenor :** Mr. Alberto Madella

#### **WORK PROGRAMME**

<a href="#"><u>prEN 17048</u></a> (WI=00254169)	Flexible sheets for waterproofing - Plastic and rubber sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete - Definitions and characteristics
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## **CEN/TC 254/WG 9 Underlays for discontinuous roof coverings**

**Convenor** : Dr.Ing. Sebastian Tremel

**Secretary**: Ing. Maja Zimmer

## **CEN/TC 254/WG 10 Ageing**

## **CEN/TC 254/WG 15 PCR**

**Chairperson** : Mr Dirk Van der Sype

**Secretary**: Mrs Annemarie Mewe (NEN)

### **WORK PROGRAMME**

<a href="#"><u>prEN 17388-1</u></a> (WI=00254182)	Flexible sheets for waterproofing - Environmental product declaration - Product Category Rules for reinforced bitumen, plastic and rubber flexible sheets for (roof) waterproofing - Part 1: Cradle to grave
<a href="#"><u>prEN 17388-2</u></a> (WI=00254183)	Flexible sheets for waterproofing - Environmental product declarations - Product Category Rules for reinforced bitumen, plastic and rubber flexible sheets for (roof) waterproofing - Part 2: Cradle to gate with options

## **CEN TC 334 Irrigation techniques**

**Chairperson**: Mr Miguel Angel Moreno Hidalgo

**Secretary**: Mr Francesco Luis Arribas (AENOR)

### **WORK PROGRAMME**

<a href="#"><u>prEN ISO 8224-1 rev</u></a> (WI=00334032)	Traveller irrigation machines - Part 1: Operational characteristics and laboratory and field test methods
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## **CEN/TC 334/WG 6 Water supply - Buried and surface pipes**

**Secretary**: Mrs. Beatrice Heitmann

**Convenor**: Alteneder

## **CEN/TC 334/WG 9 Remote Monitoring and Control for irrigation systems**

**Convenor**: Mr. Félix Diaz de Rada Santos

## **CEN TC 411 Bio-based products**

**Chairperson**: Mr. Francois de Bie (Corbion)

**Secretary**: Mrs. Nicoline Krijger

## **CEN TC 411 / WG 1 Terminology**

**Convenor** : Mr. Tony Breton

**Secretary**: Mrs. Nicoline Krijger

## **CEN TC 411 / WG 3 Bio-based content**

**Convenor** : Mr. André van Zomeren

**Secretary**: Mrs. Nicoline Krijger

## **CEN TC 411 / WG 4 Sustainability criteria, life cycle analysis and relates issues**

**Convenor** : Mrs. Solveig Eriksson

**Secretary**: Mrs. Maria Gustafsson

## **CEN TC 411 / WG 5 Certification and declaration tools**

**Convenor** : Mr. Henk Vooijs



Secretary: Mrs. Nicoline Krijger

**CEN TC 438 Additive Manufacturing**

Chairperson: Mr Eric Baustert

Secretary: Mr Olivier Coissac (AFNOR)

**WORK PROGRAMME**

<a href="#"><u>FprEN ISO/ASTM 52950</u></a> (WI=00438021)	Additive manufacturing - General principles - Overview of data processing (ISO/ASTM/DIS 52950:2019)
<a href="#"><u>prCEN ISO/ASTM/TS 52930</u></a> (WI=00438043)	Guideline for Installation -- Operation -- Performance Qualification (IQ/OQ/PQ) of laser-beam powder bed fusion equipment for production manufacturing
<a href="#"><u>prEN ISO/ASTM 52900</u></a> (WI=00438014)	Additive manufacturing - General principles - Terminology (ISO/ASTM DIS 52900:2018)
<a href="#"><u>prEN ISO/ASTM 52902 rev</u></a> (WI=00438034)	Additive manufacturing - Test artifacts - Geometric capability assessment of additive manufacturing systems
<a href="#"><u>prEN ISO/ASTM 52903-1</u></a> (WI=00438046)	Additive manufacturing - Material extrusion-based additive manufacturing of plastic materials - Part 1: Feedstock materials (ISO/ASTM 52903-1:2020)
<a href="#"><u>prEN ISO/ASTM 52905</u></a> (WI=00438009)	Additive manufacturing -- General principles -- Nondestructive testing of additive manufactured products
<a href="#"><u>prEN ISO/ASTM 52909</u></a> (WI=00438023)	Additive manufacturing - Finished part properties - Orientation and location dependence of mechanical properties for metal powder bed fusion
<a href="#"><u>prEN ISO/ASTM 52911-3</u></a> (WI=00438045)	Additive manufacturing -- Design -- Part 3: Standard Guideline for Electron-based powder bed fusion of metals
<a href="#"><u>prEN ISO/ASTM 52916</u></a> (WI=00438030)	Additive manufacturing -- Data formats -- Standard specification for optimized medical image data
<a href="#"><u>prEN ISO/ASTM 52917</u></a> (WI=00438028)	Additive manufacturing -- Round Robin Testing -- Guidance for conducting Round Robin studies
<a href="#"><u>prEN ISO/ASTM 52919-1</u></a> (WI=00438031)	Additive manufacturing -- Test method of sand mold for metalcasting -- Part 1: Mechanical properties
<a href="#"><u>prEN ISO/ASTM 52919-2</u></a> (WI=00438032)	Additive manufacturing -- Test method of sand mold for metalcasting -- Part 2: Physical properties
<a href="#"><u>prEN ISO/ASTM 52920</u></a> (WI=00438041)	Additive manufacturing -- Qualification principles -- Part 2: Requirements for industrial additive manufacturing sites
<a href="#"><u>prEN ISO/ASTM 52921</u></a> (WI=00438020)	Additive manufacturing - General principles - Standard practice for part positioning, coordinates and orientation (ISO/ASTM DIS 52921:2019)
<a href="#"><u>prEN ISO/ASTM 52924</u></a> (WI=00438027)	Additive manufacturing - Qualification principles - Classification of part properties for additive manufacturing of polymer parts (ISO/ASTM/DIS 52924:2020)
<a href="#"><u>prEN ISO/ASTM 52925</u></a> (WI=00438026)	Additive manufacturing processes - Laser sintering of polymer parts/laser-based powder bed fusion of polymer parts - Qualification of materials (ISO/ASTM/DIS 52925:2020)
<a href="#"><u>prEN ISO/ASTM 52926-1</u></a> (WI=00438036)	Additive manufacturing — Qualification principles — Part 1: Qualification of machine operators for metallic parts production
<a href="#"><u>prEN ISO/ASTM 52926-2</u></a> (WI=00438035)	Additive manufacturing — Qualification principles — Part 2: Qualification of machine operators for metallic parts production for PBF-LB
<a href="#"><u>prEN ISO/ASTM 52926-3</u></a> (WI=00438038)	Additive manufacturing — Qualification principles — Part 3: Qualification of machine operators for metallic parts production for PBF-EB
<a href="#"><u>prEN ISO/ASTM 52926-4</u></a> (WI=00438039)	Additive manufacturing — Qualification principles — Part 4: Qualification of machine operators for metallic parts production for DED-LB
<a href="#"><u>prEN ISO/ASTM 52926-5</u></a> (WI=00438037)	Additive manufacturing — Qualification principles — Part 5: Qualification of machine operators for metallic parts production for DED-Arc

<a href="#"><u>prEN ISO/ASTM 52931</u></a> (WI=00438025)	Additive manufacturing -- Environmental health and safety -- Standard guideline for use of metallic materials
<a href="#"><u>prEN ISO/ASTM 52932</u></a> (WI=00438029)	Additive manufacturing -- Test method for determination of particle emission rates from desktop 3D printer-Material extrusion
<a href="#"><u>prEN ISO/ASTM 52933</u></a> (WI=00438042)	Additive manufacturing -- Environment, health and safety -- Consideration for the reduction of hazardous substances emitted during the operation of the non-industrial ME type 3D printer in workplaces, and corresponding test method
<a href="#"><u>prEN ISO/ASTM 52935</u></a> (WI=00438044)	Additive manufacturing - Qualification principles - Qualification of coordinators for metallic parts production
<a href="#"><u>prEN ISO/ASTM 52936-1</u></a> (WI=00438040)	Additive manufacturing - Qualification principles - Laser-based powder bed fusion of polymers - Part 1: General principles, preparation of test specimens

## **ISO TC 23/SC18** Irrigation and drainage equipment and systems

Chairperson: Mr Eliezer Kelmeszes

Secretary: Mrs Helen Atarot (SII)

### **Work programme dell' ISO TC 23/SC18**

<a href="#"><u>ISO/WD 8224-1</u></a>	Traveller irrigation machines — Part 1: Operational characteristics and laboratory and field test methods
<a href="#"><u>ISO/DIS 10522</u></a>	Agricultural irrigation equipment — Direct-acting pressure-regulating valves
<a href="#"><u>ISO/DIS 11738</u></a>	Agricultural irrigation equipment — Control heads
<a href="#"><u>ISO/CD 13457</u></a>	Agricultural irrigation equipment — Water-driven chemical injector pumps
<a href="#"><u>ISO/DIS 15886-2</u></a>	Agricultural irrigation equipment — Sprinklers - Part 2: Design and operation requirements
<a href="#"><u>ISO/DIS 15886-3</u></a>	Agricultural irrigation equipment — Sprinklers — Part 3: Characterization of distribution and test methods
<a href="#"><u>ISO/WD 16399</u></a>	Meters for irrigation water
<a href="#"><u>ISO/DIS 16438</u></a>	Agricultural irrigation equipment — Thermoplastic collapsible hoses for irrigation — Specifications and test methods
<a href="#"><u>ISO/AWI 21622-1</u></a>	Irrigation techniques — Remote monitoring and control for irrigation — Part 1: General considerations
<a href="#"><u>ISO/CD 21622-2</u></a>	Irrigation techniques — Remote monitoring and control for irrigation — Part 2: Tests
<a href="#"><u>ISO/CD 21622-3</u></a>	Irrigation techniques — Remote monitoring and control for irrigation — Part 3: Interoperability
<a href="#"><u>ISO/AWI 21622-4</u></a>	Irrigation techniques — Remote monitoring and control for irrigation — Part 4: Functionality
<a href="#"><u>ISO/AWI 24120</u></a>	Irrigation and drainage equipment and systems — Guideline on the implementation of pressurized irrigation systems
<a href="#"><u>ISO/CD 24649</u></a>	Manually and Hydraulically operated plastic valves

**ISO/TC 45/SC 4** Products (other than hoses)  
 Committee Manager: Dr Zairossani Mohd Nor  
 Chairperson: Dr Shanmugam Supramaniam

### **Work programme ISO/TC 45/SC4**

<a href="#">ISO/DIS 3011</a>	Rubber- or plastics-coated fabrics — Determination of resistance to ozone cracking under static conditions
<a href="#">ISO/DIS 3934</a>	Rubber, vulcanized and thermoplastic — Preformed gaskets used in buildings — Classification, specifications and test methods
<a href="#">ISO/CD 4646</a>	Rubber- or plastics-coated fabrics — Low-temperature impact test
<a href="#">ISO/DIS 4674-2</a>	Rubber- or plastics-coated fabrics — Determination of tear resistance — Part 2: Ballistic pendulum method
<a href="#">ISO/DIS 5470-2</a>	Rubber- or plastics-coated fabrics — Determination of abrasion resistance — Part 2: Martindale abrader
<a href="#">ISO/DIS 6450</a>	Rubber- or plastics-coated fabrics — Determination of resistance to liquids
<a href="#">ISO/DIS 6452</a>	Rubber- or plastics-coated fabrics — Determination of fogging characteristics of trim materials in the interior of automobiles
<a href="#">ISO/DIS 10282</a>	Single-use sterile rubber surgical gloves — Specification
<a href="#">ISO/DIS 22762-5</a>	Elastomeric seismic-protection isolators — Part 5: Sliding seismic-protection isolators for buildings — Part 5: Titre manque
<a href="#">ISO/CD 22762-6</a>	Elastomeric seismic-protection isolators — Part 6: Part 6: High-durability and high-performance specifications, and test methods
<a href="#">ISO/DIS 22941</a>	Rubber sheets for livestock — Specification
<a href="#">ISO/DIS 23641</a>	Flexible cellular polymeric materials — Determination of antibacterial effectiveness
<a href="#">ISO/CD 23711</a>	Elastomeric seals — Requirements for materials for pipe joint seals used in water and drainage applications — Thermoplastic elastomers
<a href="#">ISO/DIS 25518</a>	Single-use rubber gloves for general applications — Specification

- ISO/TC 45/SC 4/WG 2** Rubber seals
- ISO/TC 45/SC 4/WG 5** Gloves and other latex products
- ISO/TC 45/SC 4/WG 7** Material specification
- ISO/TC 45/SC 4/WG 8** Flexible and semi-rigid cellular material
- ISO/TC 45/SC 4/WG 9** Elastomeric isolators
- ISO/TC 45/SC 4/WG 13** Coated fabrics
- ISO/TC 45/SC 4/WG 15** Rubber bands
- ISO/TC45/SC 4/WG 16** General rubber sheets

**ISO TC 61** Plastics  
 Committee Manager: Jiandong Wang SAC  
 Chairperson: Mr. H.A.A. Omloo

**ISO/TC 61/WG 4** Plastics joining  
 Convenor: Mr. Mike Troughton

**ISO/TC 61/SC 1** Terminology

Committee Manager: Mr Petar Luzajic BSI  
Chairperson: Dr Tony Breton

**ISO/TC 61/SC 1/WG 1** Terms and definitions  
Convenor: Prof. Tatsuki Kitayama

**ISO/TC 61/SC 1/WG 3** Symbols  
Convenor: Mr. Mitsuru Yokouchi

### **Work programme dell' ISO TC 61/SC1**

<a href="#">ISO DIS 1043-4</a>	Plastics -- Symbols and abbreviated terms -- Part 4: Flame retardants
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**ISO/TC 61/SC 2** Mechanical behavior  
Committee Manager: Dr Woo Jin Choi  
Chairperson: Dr. Sunwoong Choi

### **Work programme ISO TC 61/SC2**

<a href="#">ISO DIS 11403-1</a>	Plastics — Acquisition and presentation of comparable multipoint data — Part 1: Mechanical properties
<a href="#">ISO DIS 11403-2</a>	Plastics — Acquisition and presentation of comparable multipoint data — Part 2: Thermal and processing properties
<a href="#">ISO DIS 11403-3</a>	Plastics — Acquisition and presentation of comparable multipoint data — Part 3: Environmental influences on properties
<a href="#">ISO CD TS 20979</a>	Plastics — Determination of fracture toughness of polyethylene (PE) under plane stress impact conditions
<a href="#">ISO AWI 22183</a>	Plastics — Validation of force-time curve of tensile testing at high speed
<a href="#">ISO CD 23524</a>	Plastics — Determination of fracture toughness of films and thin sheets: the essential work of fracture
<a href="#">ISO CD TS 28660</a>	Plastics — Determination of J-R curves

**ISO/TC 61/SC 2/WG 1** Static behavior  
Convenor: Mr. Gerhard Maurer (GERMANIA)

**ISO/TC 61/SC 2/WG 2** Hardness and surface properties  
Convenor: Ahmad Fuad (MALESIA)

**ISO/TC 61/SC 2/WG 3** Impact and high speed properties  
Convenor: Mr. Harold E Yohn (USA)

**ISO/TC 61/SC 2/WG 5** Temperature dependent behavior  
Convenor: Mr. Graham D Sims

**ISO/TC 61/SC 2/WG 6** Dimensions of test specimens  
Convenor: Mr. Gerhard Maurer

**ISO/TC 61/SC 2/WG 7** Fracture and fatigue behavior  
Convenor: dr. Sunwoong Choi (SUD COREA)

**ISO/TC 61/SC 2/WG 8** Forms of data presentation  
Convenor: dr. Ranganath K Shastri (USA)

**ISO/TC 61/SC 4** Burning behaviour  
Committee Manager: Mr Petar Luzajic BSI

Chairperson: Mr Stephen J. Grayson

## Work programme ISO/TC 61/SC4

<a href="#">ISO DIS 871</a>	Plastics — Determination of ignition temperature using a hot-air furnace
<a href="#">ISO DIS 4589-4</a>	Plastics — Determination of burning behaviour by oxygen index — Part 4: High gas velocity test
<a href="#">ISO PRF 9772</a>	Cellular plastics — Determination of horizontal burning characteristics of small specimens subjected to a small flame
<a href="#">ISO AWI 9994</a>	Lighters — Safety specifications
<a href="#">ISO PRF 10093</a>	Plastics — Fire tests — Standard ignition sources
<a href="#">ISO AWI 22702</a>	Utility lighters — Safety specifications
<a href="#">ISO AWI 23948</a>	Plastics — Intumescence properties of PVC materials and products — Test method for the measurement of expansion with the cone calorimeter
<a href="#">ISO WD 23949</a>	Plastics — Application of spread of flame test to plastic pipes

### ISO/TC 61/SC 4/WG 2 Smoke opacity and corrosivity

Convenor: Mr. Eric Guillaume

### ISO/TC 61/SC 4/WG 8 Ignitability and fire growth

Convenor: Mr. Marcelo Hirschler

### ISO/TC 61/SC 4/WG 9 Composites and semi-finished products

Convenor: Dr. Koichi Yoshida

### ISO/TC 61/SC 4/WG 10 Lighters

Convenor: Mr. Steve Burkhart

### ISO/TC 61/SC 5 Physical-chemical properties

Committee Manager: Mr Matthias Müller DIN

Chairperson: Mr Robert W. Fuss

## Work programme ISO/TC61/SC5

<a href="#">ISO 489:1999</a>	Plastics — Determination of refractive index
<a href="#">ISO DIS 1628-1</a>	Plastics — Determination of the viscosity of polymers in dilute solution using capillary viscometers — Part 1: General principles
<a href="#">ISO CD 3146</a>	Plastics — Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods
<a href="#">ISO CD 3915</a>	Plastics — Measurement of resistivity of conductive plastics
<a href="#">ISO WD 4907-1</a>	Plastics — Ion exchange resin — Part 1: Determination of exchange capacity of acrylic anion exchange resins
<a href="#">ISO WD 4907-2</a>	Plastics — Ion exchange resin — Part 2: Determination of water content for anion exchange resins in hydroxide form
<a href="#">ISO WD 4907-3</a>	Plastics — Ion exchange resin — Part 3: Determination of exchange capacity of anion exchange resins in hydroxide form
<a href="#">ISO CD 6721-12</a>	Plastics — Determination of dynamic mechanical properties — Part 10: Complex shear viscosity using a parallel-plate oscillatory rheometer
<a href="#">ISO CD 6721-3</a>	Plastics — Determination of dynamic mechanical properties — Part 3: Flexural vibration — Resonance-curve method

ISO FDIS 11357-4	Plastics — Differential scanning calorimetry (DSC) — Part 4: Determination of specific heat capacity
ISO CD 11357-7	Plastics — Differential scanning calorimetry (DSC) — Part 7: Determination of crystallization kinetics
ISO FDIS 11357-8	Plastics — Differential scanning calorimetry (DSC) — Part 8: Determination of thermal conductivity
ISO DIS 11358-1	Plastics — Thermogravimetry (TG) of polymers — Part 1: General principles
ISO FDIS 11358-2	Plastics — Thermogravimetry (TG) of polymers — Part 2: Determination of activation energy
ISO FDIS 11358-3	Plastics — Thermogravimetry (TG) of polymers — Part 3: Determination of the activation energy using the Ozawa-Friedman plot and analysis of the reaction kinetics
ISO WD 11359-1	Plastics — Thermomechanical analysis (TMA) — Part 1: General principles
ISO WD 11359-2	Plastics — Thermomechanical analysis (TMA) — Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature
ISO DIS 11443	Plastics — Determination of the fluidity of plastics using capillary and slit-die rheometers
ISO DIS 13468-2	Plastics — Determination of the total luminous transmittance of transparent materials — Part 2: Double-beam instrument
ISO CD 14782	Plastics — Determination of haze for transparent materials
ISO DIS 16790	Plastics — Determination of drawing characteristics of thermoplastics in the molten state
ISO DIS 19935-3	Plastics — Temperature modulated DSC — Part 3: Separation of overlapping thermal transitions
ISO DIS 20965	Plastics — Determination of the transient extensional viscosity of polymer melts
ISO CD 22007-2	Plastics — Determination of thermal conductivity and thermal diffusivity — Part 2: Transient plane heat source (hot disc) method
ISO AWI 22007-7	Plastics — Determination of thermal conductivity and thermal diffusivity — Part 7: Determination of thermal effusivity by transient plane heat source (hot disc) method
ISO FDIS 23976	Plastics — Fast differential scanning calorimetry — Chip calorimetry
IEC CD 62321-11	Determination of certain substances in electrotechnical products — Part 11: Determination of Tris (2-chloroethyl) phosphate (TCEP) in plastics by gas chromatography-mass spectrometry (GC-MS) and liquid chromatography-mass spectrometry (LC-MS)

#### **ISO/TC 61/SC 5/WG 5** Viscosity

Convenor: Mr. Klaus Könnecke

#### **ISO/TC 61/SC 5/WG 8** Thermal analysis

Convenor: Mr. Klaus Könnecke

#### **ISO/TC 61/SC 5/WG 9** Rheology

Convenor: Prof. Juseok Oh

#### **ISO/TC 61/SC 5/WG 11** Analytical methods

Convenor: Ms. Hairong Zhang

#### **ISO/TC 61/SC 6** Ageing, chemical and environmental resistance

Committee Manager: Mrs Dr Claudia Laabs

Chairperson: Mr Dr Artur Schönlein

#### **Work programme ISO/TC 61/SC6**

ISO CD 4765	Chemically Induced UPE (ultra-weak photon emission) measurement as an analysis method of degradation of polymeric material
ISO WD 4768	Measurement method of anti-biofilm activity on non-porous surfaces



<a href="#">ISO 4892-2:2013/DAMD 1</a>	Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps
<a href="#">ISO AWI 4892-5</a>	Plastics — Methods of exposure to laboratory light sources — Part 5: Electrodeless Plasma lamps
<a href="#">ISO DIS 19721</a>	Plastics — Abrasion test method for artificial turfs using combining UV exposure and mechanical wear
<a href="#">ISO DIS 23741</a>	Determination of spray water delivery during spray cycles in weathering tests

### **ISO/TC 61/SC 6/WG 2 Exposure to light**

Convenor: Mrs. Dr. Anja Geburtig

### **ISO/TC 61/SC 6/WG 3 Various exposures**

Convenor: Mr. Yang In Mo

### **ISO/TC 61/SC 6/WG 7 Basic standards**

Convenor: Mr. Oscar Cordo

### **ISO/TC 61/SC 9 Thermoplastic materials**

Committee Manager: Mr Myung Cheon Lee

Chairperson: Ph.D. Chul Rim Choe

### **Work programme ISO/TC61/SC9**

<a href="#">ISO WD 2561</a>	Plastics — Determination of residual styrene monomer in polystyrene (PS) and impact-resistant polystyrene (PS-I) by gas chromatography
<a href="#">ISO WD 4504</a>	Plastics-Polyethylene (PE)-Determination of co-monomer content by NMR carbon-13 spectroscopy
<a href="#">ISO DIS 8985</a>	Plastics — Ethylene/vinyl acetate copolymer (EVAC) thermoplastics — Determination of vinyl acetate content
<a href="#">ISO DIS 13000-1</a>	Plastics — Polytetrafluoroethylene (PTFE) semi-finished products — Part 1: Requirements and designation
<a href="#">ISO DIS 13000-2</a>	Plastics — Polytetrafluoroethylene (PTFE) semi-finished products — Part 2: Preparation of test specimens and determination of properties
<a href="#">ISO CD 13741-1</a>	Plastics/rubber — Polymer dispersions and rubber latices (natural and synthetic) — Determination of residual monomers and other organic components by capillary-column gas chromatography — Part 1: Direct liquid injection method
<a href="#">ISO WD 13741-2</a>	Plastics/rubber — Polymer dispersions and rubber latices (natural and synthetic) — Determination of residual monomers and other organic components by capillary-column gas chromatography — Part 2: Headspace method
<a href="#">ISO DIS 16152</a>	Plastics — Determination of xylene-soluble matter in polypropylene
<a href="#">ISO CD 16396-1</a>	Plastics — Polyamide (PA) moulding and extrusion materials — Part 1: Designation system, marking of products and basis for specifications
<a href="#">ISO DIS 16396-2</a>	Plastics — Polyamide (PA) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties
<a href="#">ISO FDIS 21304-2</a>	Plastics — Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties
<a href="#">ISO FDIS 24024-1</a>	Plastics — Homopolymer and copolymer resins of vinyl chloride — Part 1: Designation system and basis for specifications
<a href="#">ISO FDIS 24024-2</a>	Plastics — Homopolymer and copolymer resins of vinyl chloride — Part 2: Preparation of test samples and determination of properties
<a href="#">ISO DIS 24047</a>	Plastics — Polyethylene (PE) and polypropylene (PP) thermoplastics — Determination of metal content by ICP-OES

<a href="#">ISO CD 24048</a>	Plastics: Determination of bound acrylonitrile content in the continuous phase of acrylonitrile-butadiene-styrene (ABS) by Dumas combustion method
<a href="#">ISO FDIS 24076</a>	Plastics — Polypropylene (PP) — Determination of isotactic index by low-resolution nuclear magnetic resonance spectrometry

**ISO/TC 61/SC 9/WG 6 Polyolefins**

Convenor: Ahmad Khairuddin Sha'aban

**ISO/TC 61/SC 9/WG 7 Styrene polymers**

Convenor: Mr. Shuanghong Li

**ISO/TC 61/SC 9/WG 8 Polyamides**

Convenor: Mr. Lirong Liu

**ISO/TC 61/SC 9/WG 14 Polymer dispersions**

Convenor: Mr. Hyun Hoon Song

**ISO/TC 61/SC 9/WG 17 Thermoplastic polyesters**

Convenor: Mr. Jaeheung Lee

**ISO/TC 61/SC 9/WG 18 Preparation of test specimens**

Convenor: Mr. Hongyuan Chen

**ISO/TC 61/SC 9/WG 20 Poly(vinyl chloride)**

Convenor: Mr. Sunmok Lee

**ISO/TC 61/SC 9/WG 21 Polyoxymethylene**

Convenor: Mr. Mitsuru Yokouchi

**ISO/TC 61/SC 9/WG 22 PTFE raw materials and products**

Convenor: Mr. George Lin

**ISO/TC 61/SC 9/WG 24 Polyphenylene ethers**

Convenor: Mr. Lirong Liu

**ISO/TC 61/SC 9/WG 25 Polyketones**

Convenor: Mr. Yong Su Kim

**ISO/TC 61/SC 9/WG 26 Thermoplastic elastomers**

Convenor: Mr. Hyun Hoon Song

**ISO/TC 61/SC 10 Cellular plastics**

Committee Manager: Mr Laverne Dalglish SCC

Chairperson: Vacant

**Work programme ISOTC61/SC10**

<a href="#">ISO 844:2014</a>	Rigid cellular plastics — Determination of compression properties
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**ISO/TC 61/SC 10/AHG 1 Sustainability and environmental performance**

**Convenor: Mr. Sunmok Lee**

**ISO/TC 61/SC 10/WG 10 Joint TC 163/SC 3-TC 61/SC 10 WG : Plastic insulation**

Convenor: Mr. Jaeheung Lee

**ISO/TC 61/SC 10/WG 11 Physical and chemical properties**

Convenor: Mr. Michael Joyce

**ISO/TC 61/SC 10/WG 12 Mechanical and endurance properties**

Convenor: Mr. Sunwoong Choi

**ISO/TC 61/SC 10/WG 14 Products and materials**

Convenor: Mr. Laverne Dalglish

**ISO/TC 61/SC 11 Products**  
Committee Manager: Mr. Toshio Yokoyama  
Chairperson: Mr. Kazukiyo Nagai

## **Work programme ISO/TC61/SC11**

ISO DIS 4586-2	High-pressure decorative laminates (HPL, HPDL) — Sheets based on thermosetting resins (usually called laminates) — Part 2: Determination of properties
ISO DIS 4586-3	High-pressure decorative laminates (HPL, HPDL) — Sheets based on thermosetting resins (usually called laminates) — Part 3: Classification and specifications for laminates less than 2 mm thick and intended for bonding to supporting substrates
ISO DIS 4586-4	High-pressure decorative laminates (HPL, HPDL) — Sheets based on thermosetting resins (usually called laminates) — Part 4: Classification and specifications for compact laminates of thickness 2 mm and greater
ISO DIS 4586-5	High-pressure decorative laminates (HPL, HPDL) — Sheets based on thermosetting resins (usually called laminates) — Part 5: Classification and specifications for flooring grade laminates less than 2 mm thick intended for bonding to supporting substrates
ISO DIS 4586-6	High-pressure decorative laminates (HPL, HPDL) — Sheets based on thermosetting resins (usually called laminates) — Part 6: Classification and specifications for exterior-grade compact laminates of thickness 2 mm and greater
ISO DIS 4586-7	High-pressure decorative laminates (HPL, HPDL) — Sheets based on thermosetting resins (usually called laminates) — Part 7: Classification and specifications for design laminates
ISO DIS 4586-8	High-pressure decorative laminates (HPL, HPDL) — Sheets based on thermosetting resins (usually called laminates) — Part 8: Classification and specifications for alternative core laminates
ISO DIS 4587	Adhesives — Determination of tensile lap-shear strength of rigid-to-rigid bonded assemblies
ISO WD 5102	Fiber reinforced plastics-a small modular framework-requirements and test methods
ISO CD 7765-2	Plastics film and sheeting — Determination of impact resistance by the free-falling dart method — Part 2: Instrumented puncture test
ISO DIS 9142	Adhesives — Guide to the selection of standard laboratory ageing conditions for testing bonded joints
ISO DIS 9653	Adhesives — Test method for shear impact strength of adhesive bonds
ISO DIS 9664	Adhesives — Test methods for fatigue properties of structural adhesives in tensile shear
ISO DIS 9665	Adhesives — Animal glues — Methods of sampling and testing
ISO DIS 10123	Adhesives — Determination of shear strength of anaerobic adhesives using pin-and-collar specimens
ISO DIS 10365	Adhesives — Designation of main failure patterns
ISO DIS 10964	Adhesives — Determination of torque strength of anaerobic adhesives on threaded fasteners
ISO DIS 13445	Adhesives — Determination of shear strength of adhesive bonds between rigid substrates by the block-shear method
ISO DIS 14632	Extruded sheets of polyethylene (PE-HD) — Requirements and test methods
ISO DIS 14678	Adhesives — Determination of resistance to flow (sagging)
ISO CD 15013	Plastics — Extruded sheets of polypropylene (PP) — Requirements and test methods
ISO DIS 15107	Adhesives — Determination of cleavage strength of bonded joints
ISO DIS 15108	Adhesives — Determination of strength of bonded joints using a bending-shear method
ISO DIS 15109	Adhesives — Determination of the time to rupture of bonded joints under static load

<a href="#">ISO DIS 15166-1</a>	Adhesives — Methods of preparing bulk specimens — Part 1: Two-part systems
<a href="#">ISO CD 15527</a>	Plastics — Compression-moulded sheets of polyethylene (PE-UHMW, PE-HD) — Requirements and test methods
<a href="#">ISO DIS 17555</a>	Plastics — Film and sheeting — Biaxially oriented polypropylene (PP) films
<a href="#">ISO DIS 19095-5</a>	Plastics — Evaluation of the adhesion interface performance in plastic-metal assemblies — Part 5: Fracture energy
<a href="#">ISO DIS 19095-6</a>	Plastics — Evaluation of the adhesion interface performance in plastic-metal assemblies — Part 6: Accelerated degradation test
<a href="#">ISO WD 20819-2</a>	Plastics — Wood-plastic recycled composites (WPRC) — Part 2: Test methods
<a href="#">ISO DIS 21368</a>	Adhesives — Guidelines for the fabrication of adhesively bonded structures and reporting procedures suitable for the risk evaluation of such structures

## **ISO/TC 61/SC 11/WG 2** Decorative laminates and solid surfacing materials

Convenor: Mr. Kenneth Pechal

## **ISO/TC 61/SC 11/WG 3** Plastics films and sheeting

Convenor: Mr. Yuichi Hirata

## **ISO/TC 61/SC 11/WG 5** Polymeric adhesives

Convenor: Mr. Gareth C. McGrath

## **ISO/TC 61/SC 11/WG 11** Wood-plastic composites

Convenor: Prof. Juseok Oh

## **ISO/TC 61/SC 12** Thermosetting materials

Committee Manager: Mr Hidenori Kaya JISC

Chairperson: Dr Satoshi Yamasaki

### **Work programme ISO TC 61/SC12**

<a href="#">ISO DIS 4216</a>	Thermosetting resin and UV curable resin — Determination of shrinkage by continuous measurement method
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## **ISO/TC 61/SC 12/WG 2** Phenolic resins

Convenor: Mr. Kazutaka Masaoka

## **ISO/TC 61/SC 12/WG 5** Unsaturated polyesters, epoxy resins and other resins

Convenor: Mr. Kazutaka Masaoka

## **ISO/TC 61/SC 12/WG 6** Polyurethane raw materials

Convenor: Mr. Yoshiyuki Kanbara

## **ISO/TC 61/SC 13** Composites and reinforcement fibres

Committee Manager: Mr Ryo Saito JISC

Chairperson: Dr Masaki Hojo

### **Work programme ISO TC 61/SC13**

<a href="#">ISO DIS 527-4</a>	Plastics — Determination of tensile properties — Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites
<a href="#">ISO DIS 527-5</a>	Plastics — Determination of tensile properties — Part 5: Test conditions for unidirectional fibre-reinforced plastic composites
<a href="#">ISO CD 2078</a>	Textile glass — Yarns — Designation

<a href="#">ISO WD 4410</a>	In-Plane Permeability Characterization of Engineering Textiles
<a href="#">ISO WD 14126</a>	Fibre-reinforced plastic composites — Determination of compressive properties in the in-plane direction
<a href="#">ISO WD 20975-1</a>	Carbon fibre-reinforced plastics — Methods for measurement of through-thickness laminate properties — Part 1: Direct tension and compression
<a href="#">ISO FDIS 22821</a>	Carbon-fibre-reinforced composites — Determination of fibre wight content — By thermogravimetry (TG)
<a href="#">ISO FDIS 22838</a>	Composites and reinforcements fibres — Determination of the fracture toughness of bonded plates of carbon fibre reinforced plastics (CFRPs) and metal using double cantilever beam specimens
<a href="#">ISO FDIS 22841</a>	Composites and reinforcements fibres — Carbon fibre reinforced plastics(CFRPs) and metal assemblies — Determination of the tensile lap-shear strength
<a href="#">ISO CD 23483</a>	Carbon fibres — Determination of PAN-based carbon fibre tow characteristics — Thermal conductivity
<a href="#">ISO CD 23927</a>	Laminates and moulding compounds — Prepregs — Determination of tack
<a href="#">ISO WD 23930</a>	Fibre-reinforced plastic composites-Full section compressive test for pultruded FRP Profiles
<a href="#">ISO CD 24360</a>	Composites and reinforcements fibres — Carbon fibre reinforced plastics (CFRPs) and metal assemblies — Determination of the cross tension strength

### **ISO/TC 61/SC 13/WG 1 Reinforcements and reinforcement products**

Convenor: Mr. Koji Yamaguchi

### **ISO/TC 61/SC 13/WG 2 Laminates and moulding compounds**

Convenor: Mr. Graham D Sims

### **ISO/TC 61/SC 13/WG 7 Composites and metal assemblies**

Convenor: Mr. Takashi Ishikawa

### **ISO/TC 61/SC 14 Environmental aspects**

Committee Manager: Mrs Stefanie Bierwirth

Chairperson: Mr Dr Eric W. Bischof

### **Work programme ISO TC 61/SC14**

<a href="#">ISO WD TR 4763</a>	Plastics — Environmental aspects — Analysis of relevant terms used in the sector and need for standardization
<a href="#">ISO WD 5148</a>	Biodegradable plastic shopping bags for composting
<a href="#">ISO WD 5424</a>	Compostable drinking straws
<a href="#">ISO WD 5425</a>	Specifications for use of poly (lactic acid) in specific 3D printing applications
<a href="#">ISO WD 5430</a>	Plastics — Marine ecotoxicity testing scheme for biodegradable plastic materials — Test methods and requirements
<a href="#">ISO DIS 14852</a>	Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium — Method by analysis of evolved carbon dioxide
<a href="#">ISO DIS 16929</a>	Plastics — Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test
<a href="#">ISO DIS 17088</a>	Specifications for compostable plastics
<a href="#">ISO AWI 20200</a>	Plastics — Determination of the degree of disintegration of plastic materials under simulated composting conditions in a laboratory-scale test
<a href="#">ISO CD 22526-4</a>	Plastics — Carbon and environmental footprint of biobased plastics — Part 4: Environmental (total) footprint (Life Cycle Assessment)

<a href="#">ISO DIS 23517-1</a>	Plastics — Biodegradable mulch films for use in agriculture and horticulture — Part 1: Requirements and test methods regarding biodegradation, ecotoxicity and control of constituents
<a href="#">ISO DIS 23832</a>	Plastics — Test method for determination of degradation rate and disintegration degree of plastic materials exposed to marine environmental matrices under laboratory conditions
<a href="#">ISO 23977-1</a>	Plastics — Determination of the aerobic biodegradation of plastic materials exposed to seawater — Part 1: Method by analysis of evolved carbon dioxide
<a href="#">ISO 23977-2</a>	Plastics — Determination of the aerobic biodegradation of plastic materials exposed to seawater — Part 2: Method by measuring the oxygen demand in closed respirometer
<a href="#">ISO CD 24187</a>	Principles for the development of standards for investigation procedures of plastics in environmental media and materials

## **ISO/TC 61/SC 14/WG 1 Terminology, classifications and general guidance**

Convenor: Mr. Francesco Degli Innocenti

## **ISO/TC 61/SC 14/WG 2 Biodegradability**

Convenor: Mr. Masao Kunioka

## **ISO/TC 61/SC 14/WG 3 Biobased plastics**

Convenor: Dr. Ramani Narayan

## **ISO/TC 61/SC 14/WG 4 Characterization of plastics leaked into the environment (including microplastics)**

Convenor: Dr. Claus Gerhard Bannick

## **ISO/TC 61/SC 14/WG 5 Mechanical and chemical recycling**

Convenor: Ms. Kristin Olofsson

## **ISO/TC 138 Plastics pipes, fittings and valves for the transport of fluids**

Committee Manager: Mr Hiroshi Kamata

Chairperson: Mr Shigeki Fujii

## **ISO/TC 138/AG 0 Advisory group**

Convenor: Mr Shigeki Fujii

## **ISO/TC 138/SC 1 Plastics pipes and fittings for soil, waste and drainage (including land drainage)**

Committee Manager: Mme Anna Baranski - AFNOR

Chairperson: M. Michel Divanach

## **ISO/TC 138/SC 1/WG 1 Discharge systems inside buildings**

Convenor: Mr. Georg Taubert

## **ISO/TC 138/SC 1/WG 4 Plastics piping systems for underground drainage and sewerage**

Convenor: Mr. Peter Verlaan

## **ISO/TC 138/SC 1/WG 6 Specific test methods for soil, waste and drainage plastic piping systems**

Convenor: Mr. Yan Archambeau

## **Work programme ISOTC138/SC1**

<a href="#">ISO WD 4981</a>	Plastic piping systems for non-pressure underground conveyance and storage of non-potable water — Boxes Used for Infiltration, Attenuation and Storage systems. Part 1: Specifications for storm water boxes made of PP and PVC-U
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<a href="#">ISO WD 4982</a>	Plastics piping systems for non-pressure underground drainage and sewerage — Polyethylene and polypropylene (PP) arch chambers used for infiltration, attenuation and storage systems
<a href="#">ISO WD TR 7024</a>	Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings — Thermoplastics — Recommended practice for installation
<a href="#">ISO DIS 13266</a>	Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics shafts or risers for inspection chambers and manholes — Determination of resistance against surface and traffic loading
<a href="#">ISO DIS 13267</a>	Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics inspection chamber and manhole bases — Test methods for buckling resistance
<a href="#">ISO DIS 13268</a>	Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics shafts or risers for inspection chambers and manholes — Determination of ring stiffness
<a href="#">ISO DIS 19220</a>	Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings — Styrene copolymer blends (SAN + PVC)
<a href="#">ISO CD 23627</a>	Plastics piping systems for non-pressure underground drainage and sewerage — Steel Reinforced Corrugated Polyethylene Pipes and fittings

## **ISO/TC 138/SC 2** Plastics pipes and fittings for water supplies

Committee Manager: Mrs Ruth Schneider SNV

Chairperson: Mr Andreas Neubert

## **ISO/TC 138/SC 2/WG 1** Plastics piping systems for hot and cold water applications

Convenor: Mr. Georg Taubert

## **ISO/TC 138/SC 2/WG 2** Plastics piping systems for irrigation

Convenor: Mr. Rami Margalit

## **ISO/TC 138/SC 2/WG 4** PE piping systems for water supply

Convenor: Mr. Michel Divanach

## **Work programme ISO/TC138/SC2**

<a href="#">ISO 9624:2019 CD AMD1</a>	Thermoplastics piping systems for fluids under pressure — Flange adapters and loose backing flanges — Mating dimensions – Amendment 1
<a href="#">ISO 15874-1:2013 AWI AMD 1</a>	Plastics piping systems for hot and cold water installations — Polypropylene (PP) — Part 1: General – Amendment 1
<a href="#">ISO 15874-2:2013 AWI AMD 2</a>	Plastics piping systems for hot and cold water installations — Polypropylene (PP) — Part 2: Pipes – Amendment 2
<a href="#">ISO 15874-3:2013 DAMD 2</a>	Plastics piping systems for hot and cold water installations — Polypropylene (PP) — Part 3: Fittings — Amendment 2
<a href="#">ISO 15875-2:2003 PFR AMD 2</a>	Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 2: Pipes — Amendment 2
<a href="#">ISO 15875-3:2003 PRF AMD1</a>	Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 3: Fittings – Amendment 1
<a href="#">ISO 15875-3:2003 DAMD 2</a>	Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 3: Fittings – Amendment 2
<a href="#">ISO 15875-5:2003 PRF AMD 1</a>	Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 5: Fitness for purpose of the system - Amendment 1
<a href="#">ISO 15876-2:2017 PRF AMD 1</a>	Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 2: Pipes – Amendment 1
<a href="#">ISO 15876-3:2017 PRF AMD 1</a>	Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 3: Fittings – Amendment 1
<a href="#">ISO 15876-3:2017 DAMD 2</a>	Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 3: Fittings – Amendment 2

<a href="#">ISO 15876-5:2017 PRF AMD 1</a>	Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 5: Fitness for purpose of the system – Amendment 1
<a href="#">ISO 15877-2:2009 PRF AMD 2</a>	Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C) — Part 2: Pipes — Amendment 2
<a href="#">ISO 15877-3:2009 DAMD 2</a>	Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C) — Part 3: Fittings – Amendment 2
<a href="#">ISO 15877-5:2009 PRF AMD 2</a>	Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C) — Part 5: Fitness for purpose of the system — Amendment 2
<a href="#">ISO AWI 16422-1</a>	Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure — Part 1: General
<a href="#">ISO AWI 16422-2</a>	Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure — Part 2: Pipes
<a href="#">ISO AWI TS 16422-3</a>	Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure — Part 3: Fittings
<a href="#">ISO AWI 16422-5</a>	Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure — Part 5: Fitness for purpose of the system
<a href="#">ISO 21003-3:2009 PRF AMD 1</a>	Multilayer piping systems for hot and cold water installations inside buildings — Part 3: Fittings – Amendment 1
<a href="#">ISO 21003-3:2009 DAMD 2</a>	Multilayer piping systems for hot and cold water installations inside buildings — Part 3: Fittings – Amendment 2
<a href="#">ISO 22391-5:2009 PRF AMD 1</a>	Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) — Part 5: Fitness for purpose of the system

## **ISO/TC 138/SC 3** Plastics pipes and fittings for industrial applications

Committee Manager: Mr. Gianluigi Moroni UNI

Chairperson: Mr. Oleg Clericuzio

### **Work programme ISO/TC 138/SC3**

<a href="#">ISO 4433-1:1997</a>	Thermoplastics pipes — Resistance to liquid chemicals — Classification — Part 1: Immersion test method
<a href="#">ISO 4433-2:1997</a>	Thermoplastics pipes — Resistance to liquid chemicals — Classification — Part 2: Polyolefin pipes
<a href="#">ISO 4433-3:1997</a>	Thermoplastics pipes — Resistance to liquid chemicals — Classification — Part 3: Unplasticized poly(vinyl chloride) (PVC-U), high-impact poly (vinyl chloride) (PVC-HI) and chlorinated poly (vinyl chloride) (PVC-C) pipes
<a href="#">ISO 4433-4:1997</a>	Thermoplastics pipes — Resistance to liquid chemicals — Classification — Part 4: Poly(vinylidene fluoride) (PVDF) pipes
<a href="#">ISO/TR 10358:1993</a>	Plastics pipes and fittings — Combined chemical-resistance classification table
<a href="#">ISO 10931:2005</a>	Plastics piping systems for industrial applications — Poly(vinylidene fluoride) (PVDF) — Specifications for components and the system
<a href="#">ISO 10931:2005/ Amd 1:2015</a>	Plastics piping systems for industrial applications — Poly(vinylidene fluoride) (PVDF) — Specifications for components and the system — Amendment 1
<a href="#">ISO 15493:2003</a>	Plastics piping systems for industrial applications — Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) — Specifications for components and the system — Metric series
<a href="#">ISO 15493:2003/ Amd 1:2016</a>	Plastics piping systems for industrial applications — Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) — Specifications for components and the system — Metric series — Amendment 1
<a href="#">ISO 15493:2003/ Cor 1:2004</a>	Plastics piping systems for industrial applications — Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) — Specifications for components and the system — Metric series — Technical Corrigendum 1

<a href="#">ISO 15494:2015</a>	Plastics piping systems for industrial applications — Polybutene (PB), polyethylene (PE), polyethylene of raised temperature resistance (PE-RT), crosslinked polyethylene (PE-X), polypropylene (PP) — Metric series for specifications for components and the system
<a href="#">ISO 15494:2015/CD Amd 1</a>	Plastics piping systems for industrial applications — Polybutene (PB), polyethylene (PE), polyethylene of raised temperature resistance (PE-RT), crosslinked polyethylene (PE-X), polypropylene (PP) — Metric series for specifications for components and the system — Amendment 1
<a href="#">ISO/CD 22101-1</a>	Plastics piping systems for industrial applications — Glass fibre reinforced polyethylene (PE-GF) — Part 1: General
<a href="#">ISO/CD 22101-2</a>	Plastics piping systems for industrial applications — Glass fibre reinforced polyethylene (PE-GF) — Part 2: Pipes

#### **ISO/TC 138/SC 3/AHG 1** Updating ISO/TR 10358

Convenor: Mr. Oleg Clericuzio

#### **ISO/TC 138/SC 3/WG 7** Revision of industrial application standards

Convenor: Mr. Andreas Neubert

#### **ISO/TC 138/SC 3/WG 8** Polyethylene reinforce with short glass fibres (PE-sGF) piping for industrial applications

Convenor: Mr. Mitsuaki Tokiyoshi

#### **ISO/TC 138/SC 4** Plastics pipes and fittings for the supply of gaseous fuels

Committee Manager: Mr Bert Wikkerink NEN

Chairperson: Mr Ernst van der Stok

#### **ISO/TC 138/SC 4/WG 1** Mechanical fittings

Convenor: Mr Ernst van der Stok

#### **ISO/TC 138/SC 4/WG 2** Fusion of PE Pipe Systems

Convenor: Mr. Pierpaolo Frassine

#### **ISO/TC 138/SC 4/WG 3** PE Pipe Systems

Convenor: Mr. Steve Beech

#### **ISO/TC 138/SC 4/WG 6** Butt Fusion Procedures

Convenor: Mr. Jim Johnston

#### **ISO/TC 138/SC 4/WG 7** Polyamid Pipe Systems

Convenor: Mr. Hermann van Laak

#### **ISO/TC 138/SC 4/WG 10** Natural compound and colouring masterbatch specification

Convenor: Ms. Sarah Patterson

#### **Work programme ISO/TC138/SC4**

<a href="#">ISO WD 4437-1</a>	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) — Part 1: General
<a href="#">ISO WD 4437-2</a>	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) — Part 2: Pipes
<a href="#">ISO WD 4437-3</a>	Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 3: Fittings
<a href="#">ISO WD 4437-5:</a>	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) — Part 5: Fitness for purpose of the system
<a href="#">ISO/WD TS 10839</a>	Polyethylene pipes and fittings for the supply of gaseous fuels — Code of practice for design, handling and installation
<a href="#">ISO 12176-2:2008 DAMD 1</a>	Plastics pipes and fittings — Equipment for fusion jointing polyethylene systems — Part 2: Electrofusion – Amendment 1

<a href="#">ISO FDIS 12176-5</a>	Plastics pipes and fittings — Equipment for fusion jointing polyethylene systems — Part 5: Two-dimensional data coding of components and data exchange format for PE piping systems
<a href="#">ISO FDIS 16486-5</a>	Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 5: Fitness for purpose of the system
<a href="#">ISO WD 16486-6</a>	Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 6: Code of practice for design, handling and installation
<a href="#">ISO WD TS 16486-7</a>	Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 7: Assessment of conformity
<a href="#">ISO DIS 17885</a>	Plastics piping systems — Mechanical fittings for pressure piping systems — Specifications

## **ISO/TC 138/SC 5** General properties of pipes, fittings and valves of plastic materials and their accessories -- Test methods and basic specifications

Committee Manager: Mr. Rob Kotte NEN

Chairperson: Mr Thomas Kratochvilla

### **ISO/TC 138/SC 5/WG 2** PVC pipes

Convenor: Dr. Przemyslaw Hruszka

### **ISO/TC 138/SC 5/WG 5** Polyolefin pipes

Convenor: Mr. Steve Beech

### **ISO/TC 138/SC 5/WG 12** Polyolefin pipe fitting assemblies

Convenor: Mr. Joris Vienne

### **ISO/TC 138/SC 5/WG 17** Alternative test methods

Convenor: Mr. Sunwoong Choi

### **ISO/TC 138/SC 5/WG 20** Slow crack growth (SCG)

Convenor: Mr. Steve Beech

### **ISO/TC 138/SC 5/WG 22** Thermoplaastics pipes for the transport of fluids

Convenor: Ms. Jianling Xie

## **Work programme ISO/TC 138/SC5**

<a href="#">ISO WD 9854-1</a>	Thermoplastics pipes for the transport of fluids — Determination of pendulum impact strength by the Charpy method — Part 1: General test method
<a href="#">ISO WD 9854-2</a>	Thermoplastics pipes for the transport of fluids — Determination of pendulum impact strength by the Charpy method — Part 2: Test conditions for pipes of various materials
<a href="#">ISO DIS 13479</a>	Polyolefin pipes for the conveyance of fluids — Determination of resistance to crack propagation — Test method for slow crack growth on notched pipes
<a href="#">ISO WD 17778</a>	Plastics piping systems — Fittings, valves and ancillaries — Determination of gaseous flow rate/pressure drop relationships
<a href="#">ISO CD 22102</a>	Polyethylene (PE) materials for piping systems — Determination of the resistance to point loads — Test method
<a href="#">ISO/WD TS 24399</a>	Thermoplastic pipes for the conveyance of fluids — Inspection of polyethylene butt fusion joints using time of flight diffraction testing

## **ISO/TC 138/SC 6** Reinforced plastics pipes and fittings for all applications

Committee Manager: Mr Jochen Fornather ASI

Chairperson: Mr. Hogni Jonsson

## **Work programme ISO/TC138/SC6**

<a href="#">ISO DIS 4152</a>	Glass-reinforced thermosetting plastics (GRP) pipes — Determination of the apparent axial long-term modulus of pipes subject to beam bending
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<a href="#">ISO DIS 7432</a>	Glass-reinforced thermosetting plastics (GRP) pipes and fittings — Test methods to prove the design of locked socket-and-spigot joints, including double-socket joints, with elastomeric seals
<a href="#">ISO DIS 10952</a>	Plastics piping systems — Glass-reinforced thermosetting plastics (GRP) pipes and fittings — Determination of the resistance to chemical attack for the inside of a section in a deflected condition
<a href="#">ISO CD TS 10986</a>	Plastics piping systems — Glass-reinforced thermosetting plastics (GRP) pipes — System design of above ground pipe and joint installations without end thrust
<a href="#">ISO 23856</a>	Plastics piping systems for pressure and non-pressure water supply, drainage or sewerage — Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin

### **ISO/TC 138/SC 6/TG 1** Design and test methods

Convenor: Mr. K. Rookus

### **ISO/TC 138/SC 6/WG 1** Methods of test

Convenor: Mr. Hogni Jonsson

### **ISO/TC 138/SC 6/WG 3** Specifications for pipe systems

Convenor: Mr. Ulrich Wallmann

### **ISO/TC 138/SC 6/WG 5** Installation

Convenor: Mr. J. Brakel

### **ISO/TC 138/SC 7** Valves and auxiliary equipment of plastics materials

Committee Manager: Mr Gianluigi Moroni UNI

Chairperson: Mr. Oleg Clericuzio

### **Work programme ISO/TC138/SC7**

<a href="#">ISO DIS 8233</a>	Thermoplastics valves — Torque — Test method
<a href="#">ISO CD 16486-4</a>	Plastics piping systems for the supply of gaseous fuels — Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing — Part 4: Valves

### **ISO/TC 138/SC 8** Rehabilitation of pipeline systems

Committee Manager: Ms . Hiromi Kowata

Chairperson: Dr. John Gumbel

### **ISO/TC 138/SC 8/WG 1** Classification and information on design and applications of plastics piping systems used for pipeline rehabilitation

Convenor: Mr. Wim Elzink

### **ISO/TC 138/SC 8/WG 2** Plastics piping systems for rehabilitation of underground drainage and sewerage networks (non-pressure and pressure)

Convenor: Mr. Jörg Brunecker

### **ISO/TC 138/SC 8/WG 3** Plastics piping systems for rehabilitation of underground water supply networks

Convenor: Mr. Mike Shepherd

### **ISO/TC 138/SC 8/WG 4** Plastics piping systems for rehabilitation of underground gas supply networks

Convenor: Mr. Hyoung San Kye

### **ISO/TC 138/SC 8/WG 6** Assessment of conformity of plastics piping systems used for rehabilitation

Convenor: Mr. Win Elzink

## Work programme ISO/TC138/SC8

<a href="#">ISO CD 11295</a>	Classification and information on design and applications of plastics piping systems used for renovation and replacement
<a href="#">ISO 11296-4:2018 DAMD 1</a>	Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks — Part 4: Lining with cured-in-place pipes - Amendment 1: Updated definitions, marking requirements and procedure for alternative expression of flexural test results
<a href="#">ISO WD 11296-9</a>	Plastics piping systems for the renovation of underground non-pressure drainage and sewerage networks — Part 9: Lining with a rigidly anchored plastics inner layer
<a href="#">ISO DIS 11298-4</a>	Plastics piping systems for renovation of underground water supply networks — Part 4: Lining with cured-in-place pipes
<a href="#">ISO WD TS 23818-2</a>	Assessment of conformity of plastics piping systems for the rehabilitation of existing pipelines — Part 2: Resin-fibre composite (RFC) material
<a href="#">ISO CD TS 23818-3</a>	Assessment of conformity of plastics piping systems for the rehabilitation of existing pipelines — Part 3: Unplasticised poly(vinyl chloride) (PVC-U) material

### ISO/TC 219 Floor coverings

Committee Manager: Ms Karin Eufinger (NBN)

Chairperson: Mr. F.W. Seifert

### ISO/TC 219/WG 1 Textile floor coverings

Convenor: Mr. Dirk Simoens

### ISO/TC 219/WG 2 Resilient floor coverings

Convenor: Mr. Tim Cole

### ISO/TC 219/WG 3 Laminate floor coverings

Convenor: Mr. Theo Smet

## Work programme ISO/TC 219

<a href="#">ISO CD 4760</a>	Laminate Flooring - Topical Moisture Resistance — Assembled Joint
<a href="#">ISO DTS 21868</a>	Textile floor coverings — State of the art and guidance on maintenance and cleaning
<a href="#">ISO CD 23999</a>	Resilient floor coverings — Determination of dimensional stability and curling after exposure to heat
<a href="#">ISO CD 24338</a>	Laminate floor coverings — Determination of abrasion resistance

### ISO/TC 261 Additive manufacturing

Committee Manager: Mr Dipl.-Ing Yavuz Anik

Chairperson: Mr Prof. Dr.-Ing Christian Seidel

## WORK PROGRAMME

<a href="#">ISO/ASTM DIS 52900</a>	Additive manufacturing -- General principles -- Terminology
<a href="#">ISO/ASTM DIS 52902</a>	Additive manufacturing -- General principles -- Standard test artifacts
<a href="#">ISO/ASTM DTR 52905</a>	Additive manufacturing -- General principles -- Non-destructive testing of additive manufactured products
<a href="#">ISO/ASTM CD TR 52906</a>	Additive manufacturing -- Non-destructive testing and evaluation -- Standard guideline for intentionally seeding flaws in additively manufactured (AM) parts
<a href="#">ISO/ASTM AWI 529079</a>	Additive manufacturing — Finished part properties — Orientation and location dependence of mechanical properties for metal powder bed fusion



<a href="#"><u>ISO/ASTM AWI 52910</u></a>	Additive manufacturing — Design — Requirements, guidelines and recommendations
<a href="#"><u>ISO/ASTM WD 52911-3</u></a>	Additive manufacturing — Design — Part 3: Standard Guideline for Electron-based powder bed fusion of metals
<a href="#"><u>ISO/ASTM WD 52916</u></a>	Additive manufacturing -- Data formats -- Standard specification for optimized medical image data
<a href="#"><u>ISO/ASTM WD 52917</u></a>	Additive manufacturing — Round Robin Testing — Guidance for conducting Round Robin studies
<a href="#"><u>ISO/ASTM CD TR 52918</u></a>	Additive manufacturing — Data formats — File format support, ecosystem and evolutions
<a href="#"><u>ISO/ASTM WD 52919-1</u></a>	Additive manufacturing — Test method of sand mold for metalcasting — Part 1: Mechanical properties
<a href="#"><u>ISO/ASTM WD 52919-2</u></a>	Additive manufacturing — Test method of sand mold for metalcasting — Part 2: Physical properties
<a href="#"><u>ISO/ASTM WD 52920</u></a>	Additive manufacturing — Qualification principles — Requirements for industrial additive manufacturing sites
<a href="#"><u>ISO/ASTM DIS 52921</u></a>	Additive manufacturing — General principles — Standard practice for part positioning, coordinates and orientation
<a href="#"><u>ISO/ASTM DIS 52924</u></a>	Additive manufacturing — Qualification principles — Classification of part properties for additive manufacturing of polymer parts
<a href="#"><u>ISO/ASTM DIS 52925</u></a>	Additive manufacturing processes — Laser sintering of polymer parts/laser-based powder bed fusion of polymer parts — Qualification of materials
<a href="#"><u>ISO/ASTM CD 52926-1</u></a>	Additive manufacturing of metals — Qualification principles — Part 1: General qualification of machine operators
<a href="#"><u>ISO/ASTM CD 52926-2</u></a>	Additive manufacturing of metals — Qualification principles — Part 2: Qualification of machine operators for PBF-LB
<a href="#"><u>ISO/ASTM CD 52926-3</u></a>	Additive manufacturing of metals — Qualification principles — Part 3: Qualification of machine operators for PBF-EB
<a href="#"><u>ISO/ASTM CD 52926-4</u></a>	Additive manufacturing of metals — Qualification principles — Part 4: Qualification of machine operators for DED-LB
<a href="#"><u>ISO/ASTM CD 52926-5</u></a>	Additive manufacturing of metals — Qualification principles — Part 5: Qualification of machine operators for DED-Arc
<a href="#"><u>ISO/ASTM WD TS 52930</u></a>	Guideline for Installation — Operation — Performance Qualification (IQ/OQ/PQ) of laser-beam powder bed fusion equipment for production manufacturing
<a href="#"><u>ISO/ASTM CD 52931</u></a>	Additive manufacturing — Environmental health and safety — Standard guideline for use of metallic materials
<a href="#"><u>ISO/ASTM CD 52932</u></a>	Additive manufacturing -- Environmental health and safety -- Standard test method for determination of particle emission rates from desktop 3D printers using material extrusion
<a href="#"><u>ISO/ASTM WD 52933</u></a>	Additive manufacturing — Environment, health and safety — Consideration for the reduction of hazardous substances emitted during the operation of the non-industrial ME type 3D printer in workplaces, and corresponding test method
<a href="#"><u>ISO/ASTM WD 52935</u></a>	Additive manufacturing — Qualification principles — Qualification of coordinators for metallic parts production
<a href="#"><u>ISO/ASTM CD 52936-1</u></a>	Additive manufacturing — Qualification principles — Laser-based powder bed fusion of polymers — Part 1: General principles, preparation of test specimens
<a href="#"><u>ISO/ASTM 52941</u></a>	Additive manufacturing -- System performance and reliability -- Standard test method for acceptance of powder-bed fusion machines for metallic materials for aerospace application
<a href="#"><u>ISO/ASTM FDIS 52950</u></a>	Additive manufacturing -- General principles -- Overview of data processing