



The Go-To Experts in Testing and Analysis of Plastic Piping, Fittings, Raw Materials and Additives

Manufacturers of plastic pipes, fittings, raw materials (e.g. resins and masterbatches) and additives trust ExcelPlas to assist them with all necessary testing, inspection, and certification.

We can meet the testing requirements of your compliance and conformance efforts for plastic pipes used in drinking water, drain waste & vent, gas, fire safety, geothermal, or electrical conduit applications. Below are just some key standards for which we offer testing for the plastic pipe industry.

Contact us using the form below if you're interested in testing or certification to a specific standard listed or for a custom project.

Standard/Service name	Description
ASTM 2136:2018	Standard Test Method for Notched, Constant Ligament-Stress (NCLS) Test to Determine Slow-Crack-Growth Resistance of HDPE Resins or HDPE Corrugated Pipe
ASTM D1149:2018	Standard Test Methods for Rubber Deterioration—Cracking in an Ozone Controlled Environment
ASTM D1238:2020	Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer

ASTM D1243:2015	Standard Test Method for Dilute Solution Viscosity of Vinyl Chloride Polymers (PVC)
ASTM D1414:2015	Standard Test Methods for Rubber O-Rings
ASTM D1505:2018	Standard Test Method for Density of Plastics by the Density-Gradient Technique
ASTM D1598:2021	Standard Test Method for Time-to-Failure of Plastic Pipe Under Constant Internal Pressure
ASTM D1599:2018	Standard Test Method for Resistance to Short-Time Hydraulic Pressure of Plastic Pipe, Tubing, and Fittings
ASTM D1693:2021	Standard Test Method for Environmental Stress-Cracking of Ethylene Plastics
ASTM D1755:2021	Standard Specification for Poly(Vinyl Chloride) Resins
ASTM D1784:2020	Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds
ASTM D1785:2021a	Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120
ASTM D2122:2016	Standard Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings
ASTM D2152:2017	Standard Test Method for Adequacy of Fusion of Extruded Poly(Vinyl Chloride) (PVC) Pipe and Moulded Fittings by Acetone Immersion
ASTM D2235:2021	Standard Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings
ASTM D2239:2021	Standard Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter
ASTM D2240:2015(2021)	Test Method for Rubber Property—Durometer Hardness
ASTM D2241:2020	Standard Specification for Poly(Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series)
ASTM D2290:2019a	Standard Test Method for Apparent Hoop Tensile Strength of Plastic or Reinforced Plastic Pipe
ASTM D2412:2021	Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
ASTM D2444:2021	Standard Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings using a Tup (Falling Weight)
ASTM D2466:2021	Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40
ASTM D2467:2020	Specification for Socket-Type Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80
ASTM D2513:2020	Standard Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings
ASTM D256:2010(2018)	Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
ASTM D2564-2020	Standard Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems

ASTM D2583:2013a	Indentation Hardness of Rigid Plastics using a Barcol Impressor
ASTM D2584:2018	Ignition Loss of Cured Reinforced Resins
ASTM D2609:2021	Standard Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe
ASTM D2657:2007(2015)	Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings
ASTM D2661:2021	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings
ASTM D2665:2020	Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings
ASTM D2672:2020e1	Standard Specification for Joints for IPS PVC Pipe Using Solvent Cement
ASTM D2683:2020	Standard Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing
ASTM D2729:2021	Standard Specification for Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings
ASTM D2737:2021	Standard Specification for Polyethylene (PE) Plastic Tubing
ASTM D2765:2016	Standard Test Methods for Determination of Gel Content and Swell Ratio of Crosslinked Ethylene Plastics
ASTM D2837:2022	Standard Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products
ASTM D2839:2016	Standard Practice for Use of a Melt Index Strand for Determining Density of Polyethylene
ASTM D2846/D2846M:2019a	Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems
ASTM D2852:2016	Standard Specification for Styrene-Rubber (SR) Plastic Drain Pipe and Fittings
ASTM D2855:2020	Standard Practice for the Two-Step (Primer and Solvent Cement) Method of Joining Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets
ASTM D2863:2019	Standard Test Method for Measuring the Minimum Oxygen Concentration to Support Candle-Like Combustion of Plastics (Oxygen Index)
ASTM D2949:2018	Standard Specification for 3.25-in. Outside Diameter Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings
ASTM D2990	Flexural and Tensile Creep (50-year dry creep factor)
ASTM D2992:2018	Standard Practice for Obtaining Hydrostatic or Pressure Design Basis for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Fittings
ASTM D2996:2017	Standard Specification for Filament-Wound Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe
ASTM D2997:2021	Standard Specification for Centrifugally Cast Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe

ASTM D3034:2021	Standard Specification for Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings
ASTM D3035:2021	Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter
ASTM D3122:2021	Standard Specification for Solvent Cements for Styrene-Rubber (SR) Plastic Pipe and Fittings
ASTM D3132:2015	Standard Test Method for Solubility Range of Resins and Polymers
ASTM D3138:2021	Standard Specification for Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Non-Pressure Piping Components
ASTM D3139:2019	Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals
ASTM D3212:2021	Standard Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
ASTM D3222:2021	Standard Specification for Unmodified Poly(Vinylidene Fluoride) (PVDF) Molding Extrusion and Coating Materials
ASTM D3261:2016	Standard Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing
ASTM D3311:2017(2021)	Standard Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns
ASTM D3350:2021	Standard Specification for Polyethylene Plastics Pipe and Fittings Materials
ASTM D3418:2021	Standard Test Method for Transition Temperatures and Enthalpies of Fusion and Crystallization of Polymers by Differential Scanning Calorimetry
ASTM D3517:2019	Standard Specification for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pressure Pipe
ASTM D3567:2017	Standard Practice for Determining Dimensions of “Fiberglass” (Glass-Fiber-Reinforced Thermosetting Resin) Pipe and Fittings
ASTM D3681:2018	Standard Test Method for Chemical Resistance of “Fiberglass” (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe in a Deflected Condition
ASTM D3835:2016	Standard Test Method for Determination of Properties of Polymeric Materials using a Capillary Rheometer
ASTM D3895:2019	Standard Test Method for Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry
ASTM D395:2018	Standard Test Methods for Rubber Property—Compression Set
ASTM D3965:2021	Standard Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Materials for Pipe and Fittings
ASTM D4000	Standard Classification System for Specifying Plastic Materials
ASTM D4066:13(2019)	Standard Classification System for Nylon Injection and Extrusion Materials (PA)
ASTM D4101:2017e1	Standard Specification for Polypropylene Injection and Extrusion Materials
ASTM D412:2016 (2021)	Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers - Tension

ASTM D4161:14(2019)	Standard Specification for “Fiberglass” (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe Joints Using Flexible Elastomeric Seals
ASTM D4218:2020	Standard Test Method for Determination of Carbon Black Content in Polyethylene Compounds by the Muffle-Furnace Technique
ASTM D4396:2015	Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds for Plastic Pipe and Fittings Used in Nonpressure Applications
ASTM D5365:2018	Standard Test Method for Long-Term Ring-Bending Strain of “Fiberglass” (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe
ASTM D542:2014	Standard Test Method for Index of Refraction of Transparent Organic Plastics
ASTM D543:2020	Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents
ASTM D543:2020	Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents
ASTM D5630:2013	Standard Test Method for Ash Content in Plastics
ASTM D570:2018	Standard Test Method for Water Absorption of Plastics
ASTM D5813	CIPP chemical resistance, Strain Corrosion (Qualification testing)
ASTM D5927:2017	Standard Specification for Thermoplastic Polyester (TPES) Injection and Extrusion Materials Based on ISO Test Methods
ASTM D638:2014	Standard Test Method for Tensile Properties of Plastics
ASTM D6394:2021a	Standard Specification for Sulfone Plastics (SP)
ASTM D695 (2023)	Standard Test Method for Compressive Properties of Rigid Plastics
ASTM D790	Flexural Properties (all trenchless products)
ASTM F1055:2016a	Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Tubing
ASTM F1057:2021	Standard Practice for Estimating the Quality of Extruded Poly (Vinyl Chloride) (PVC) Pipe by the Heat Reversion Technique
ASTM F1216:2016	Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube
ASTM F1281:2021e1	Crosslinked Polyethylene/Aluminium/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe
ASTM F1282:2017	Polyethylene/Aluminium/Polyethylene (PE-AL-PE) Composite Pressure Pipe
ASTM F1336:2020	Poly(Vinyl Chloride) (PVC) Gasketed Sewer Fittings
ASTM F1412:2016	Polyolefin Pipe and Fittings for Corrosive Waste Drainage Systems
ASTM F1473:2018	Standard Test Method for Notch Tensile Test to Measure the Resistance to Slow Crack Growth of Polyethylene Pipes and Resins
ASTM F1483:2017	Standard Specification for Oriented Poly(Vinyl Chloride), PVCO, Pressure Pipe
ASTM F1488:2019	Coextruded Composite Pipe
ASTM F1498:2020	Standard Specification for Taper Pipe Threads 60deg for Thermoplastic Pipe and Fittings
ASTM F1673:2021e1	Standard Specification for Polyvinylidene Fluoride (PVDF) Corrosive Waste Drainage Systems

ASTM F1743	CIPP chemical resistance (Qualification testing)
ASTM F1760:2020	Coextruded PVC Non-Pressure Pipe Having Reprocessed-Recycled Content
ASTM F1807:2019b	Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing
ASTM F1866:2018	Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings
ASTM F1924:2019	Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing
ASTM F1960:2021	Standard Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing
ASTM F1970:2019	Standard Specification for Special Engineered Fittings, Appurtenances or Valves for use in Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Systems
ASTM F1974:15(2020)	Standard Specification for Metal Insert Fittings for Polyethylene/Aluminium/Polyethylene and Crosslinked Polyethylene/Aluminium/Crosslinked Polyethylene Composite Pressure Pipe
ASTM F1986:2011	Standard Specification for Multi-layer Pipe Type 2, Compression Fittings, and Compression Joints for Hot and Cold Drinking-Water Systems
ASTM F2019	GRP-CIPP practice (Glass-reinforced - UV cured CIPP product testing)
ASTM F2022:2001 (R2019)	Standard Test Method for Performance of Booster Heaters
ASTM F2023:2021	Standard Test Method for Evaluating the Oxidative Resistance of Crosslinked Polyethylene (PEX) Tubing and Systems to Hot Chlorinated Water
ASTM F2080:2019	Standard Specification for Cold-Expansion Fittings With Metal Compression-Sleeves for Cross-Linked Polyethylene (PEX) Pipe
ASTM F2098:2018	Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings
ASTM F2138:2017	Standard Specification for Excess Flow Valves for Natural Gas Service
ASTM F2159:2021	Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing
ASTM F2263:2019	Standard Test Method for Evaluating the Oxidative Resistance of Polyethylene (PE) Pipe to Chlorinated Water
ASTM F2306/F2306M:2020	Standard Specification for 12 to 60 in. [300 to 1500 mm] Annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications
ASTM F2389:2021	Standard Specification for Pressure-rated Polypropylene (PP) Piping Systems

ASTM F2390:2021	Standard Specifications for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent (DWV) Pipe and Fittings Having Post-Industrial Recycle Content
ASTM F2434:2019	Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Tubing
ASTM F2618:2021	Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Pipe Fittings for Chemical Waste Drainage Systems
ASTM F2619:2020	Standard Specification for High-Density Polyethylene (PE) Line Pipe
ASTM F2620:2020ae1	Standard Practice for Heat Fusion Joining of Polyethylene Pipe and Fittings
ASTM F2623:2022	Standard Specification for Polyethylene of Raised Temperature (PE-RT) SDR 9 Tubing
ASTM F2648/F2648M:2020	Standard Specification for 2 to 60 inch [50 to 1500 mm] Annular Corrugated Profile Wall Polyethylene (PE) Pipe and Fittings for Land Drainage Applications Except for: Section 7.8
ASTM F2735:2021	Standard Specification for Plastic Insert Fittings For SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing
ASTM F2764/F2764M-2019	Standard Specification for 6 to 60 in. [150 to 1500 mm] Polypropylene (PP) Corrugated Double and Triple Wall Pipe and Fittings for Non-Pressure Sanitary Sewer Applications
ASTM F2769:2018	Standard Specification for Polyethylene of Raised Temperature (PE-RT) Plastic Hot and Cold-Water Tubing and Distribution Systems
ASTM F2788/F2788M:2021	Standard Specification for Metric-Sized Crosslinked Polyethylene (PEX) Pipe
ASTM F2806:2020	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (Metric SDR-PR)
ASTM F2854:2021	Standard Specification for Push-Fit Crosslinked Polyethylene (PEX) Mechanical Fittings for Crosslinked Polyethylene (PEX) Tubing
ASTM F2855:2019	Standard Specification for Chlorinated Poly(Vinyl Chloride)/Aluminum/Chlorinated Poly(Vinyl Chloride) (CPVC-AL-CPVC) Composite Pressure Tubing
ASTM F2881:2021e1	Standard Specification for 12 to 60 in. [300 to 1500 mm] Polypropylene (PP) Dual Wall Pipe and Fittings for Non-Pressure Storm Sewer Applications
ASTM F2905/F2905M-2021a	Standard Specification for Black Crosslinked Polyethylene (PEX) Line Pipe, Fittings, and Joints For Oil and Gas Producing Applications
ASTM F2929:2017(2021)	Standard Specification for Cross-Linked Polyethylene (PEX) Tubing, 0.070 in. Wall and Fittings for Radiant Heating Systems up to 75 psig
ASTM F2969:12(2020)	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) IPS Dimensioned Pressure Pipe

ASTM F3128:2019	Standard specification for poly(vinyl chloride) (pvc) schedule 40 drain, waste, and vent pipe with a cellular core.
ASTM F3253:2019	Standard Specification for Crosslinked Polyethylene (PEX) Tubing with Oxygen Barrier for Hot- and Cold-Water Hydronic Distribution Systems
ASTM F3347:2021	Standard Specification for Metal Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing
ASTM F3348:2021a	Standard Specification for Plastic Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing
ASTM F402:2018	Standard Practice for Safe Handling of Solvent Cements, Primers, and Cleaners Used for Joining Thermoplastic Pipe and Fittings
ASTM F409:2017	Standard Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings
ASTM F412:2021	Standard Terminology Relating to Plastic Piping Systems
ASTM F437:2021	Standard Specification for Threaded Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
ASTM F438:2017	Standard Specification for Socket-Type Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 41
ASTM F439:2019	Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
ASTM F441/F441M:2020	Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80
ASTM F442/F442M:2020	Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)
ASTM F477:2014 (2021)	Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe
ASTM F480:2014(2022)	Standard Specification for Thermoplastic Well Casing Pipe and Couplings Made in Standard Dimension Ratios (SDR), SCH 40 and SCH 80
ASTM F493:2020	Standard Specification for Solvent Cements for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings
ASTM F512:2019	Standard Specification for Smooth-Wall Poly(Vinyl Chloride) (PVC) Conduit and Fittings for Underground Installation
ASTM F610/F610M:2021	Standard Test Method for Evaluating the Quality of Molded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings by the Heat Reversion Technique
ASTM F628:2012e3	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe With a Cellular Core
ASTM F656:2021	Standard Specification for Primers for Use in Solvent Cement Joints of Poly(Vinyl Chloride) (PVC) Plastic Pipe and Fittings
ASTM F667:2016(2021)	Standard Specification for 3 through 24 in. Corrugated Polyethylene Pipe and Fittings

ASTM F679:2016	Standard Specification for Poly(Vinyl Chloride) (PVC) Large-Diameter Plastic Gravity Sewer Pipe and Fittings
ASTM F714:2021	Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter
ASTM F794:2021	Standard Specification for Poly(Vinyl Chloride) (PVC) Profile Gravity Sewer Pipe and Fittings Based on Controlled Inside Diameter
ASTM F876:2020	Standard Specification for Crosslinked Polyethylene (PEX) Tubing
ASTM F877:2020	Standard Specification for Crosslinked Polyethylene (PEX) Hot- and Cold-Water Distribution Systems
ASTM F891:2016	Standard Specification for Coextruded Poly(Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core
ASTM F894:2019	Standard Specification for Polyethylene (PE) Large Diameter Profile Wall Sewer and Drain Pipe
ASTM F905:2018	Standard Practice for Qualification of Polyethylene Saddle-Fused Joints
ASTM F913:2002 (2021)	Standard Specification for Thermoplastic Elastomeric Seals (Gaskets) for Joining Plastic Pipe
ASTM F949:2020	Standard Specification for Poly(Vinyl Chloride) (PVC) Corrugated Sewer Pipe with a Smooth Interior and Fittings
AWWA C900-22	Minimum manufacturing, verification, and marking requirements for PVC pressure pipe and fabricated fittings, four in. (100 mm) through 60 in. (1,500 mm)
AWWA C901:2021	Polyethylene (PE) Pressure Pipe and Tubing, 1/2 In. (13mm) Through 3 In. (76mm), for Water Service
AWWA C904:2016	PEX Pressure Pipe 1/2" through 3"
AWWA C905-10	Polyvinyl Chloride (Pvc) Pressure Pipe & Fabricated Fittings, 14 In Thru 48 In (350 Mm Thru 1,200 Mm) For Water Transmission And Distribution
AWWA C906:2021	Polyethylene (PE) Pressure Pipe and Fittings, 4 In. (100 mm) through 63 in. (1,575mm), for Water Distribution
AWWA C907:2012	Polyvinyl Chloride (PVC) Pressure Fittings for Water-4 In. Through 8 In. (100 mm Through 200 mm)
AWWA C909:2016	AWWA Standard for Molecularly Oriented Polyvinyl Chloride (PVC-O) Pressure Pipe, 4 In. Through 24 In. (100 mm through 600 mm), for Water, Wastewater, and Reclaimed Water Service
CAN/CSA-C448 SERIES-13	Design and installation of earth energy systems
CSA B137.0:2020	Definitions, general requirements, and methods of testing for thermoplastic pressure piping
CSA B137.1:2020	Polyethylene (PE) pipe, tubing, and fittings for cold-water pressure services
CSA B137.10:2020	Crosslinked polyethylene/aluminum/crosslinked polyethylene (PEX-AL-PEX) composite pressure-pipe systems
CSA B137.11:2020	Polypropylene (PP-R & PP-RCT) pipe and fittings for pressure applications

CSA B137.18:2020	Polyethylene of raised temperature resistance (PE-RT) tubing systems for pressure applications
CSA B137.19:2020	Black crosslinked polyethylene (PEX) piping systems for gas services
CSA B137.2:2020	Polyvinyl chloride (PVC) injection-moulded gasketed fittings for pressure applications.
CSA B137.3.1:2020	Molecularly oriented polyvinyl chloride (PVC-O) pipe for pressure applications
CSA B137.3:2020	Rigid polyvinyl chloride (PVC) pipe and fittings for pressure applications
CSA B137.4.1:2020	Electrofusion-type polyethylene (PE) fittings for gas services
CSA B137.4:2020	Polyethylene (PE) piping systems for gas services
CSA B137.5:2020	Crosslinked polyethylene (PEX) tubing systems for pressure applications
CSA B137.6:2020	Chlorinated polyvinyl chloride (CPVC) pipe, tubing, and fittings for hot-and cold-water distribution systems
CSA B137.9:2020	Polyethylene/aluminium/polyethylene (PE-AL-PE) composite pressure-pipe systems
CSA B181.0:2018	Definitions, general requirements, and methods of testing for thermoplastic nonpressure piping
CSA B181.1:2018	Thermoplastic Nonpressure Piping Compendium
CSA B181.2:2018	Acrylonitrile-butadiene-styrene (ABS) drain, waste, and vent pipe and pipe fittings.
CSA B181.3:2018	Polyolefin and polyvinylidene fluoride (PVDF) laboratory drainage systems
CSA B182.1:2018	Plastic Drain and Sewer Pipe and Pipe Fittings
CSA B182.2:2018	PSM-type polyvinyl polyvinylchloride (PVC) sewer pipe and fittings
CSA C22 No 327:2018	HDPE conduit, conductors-in-conduit, and fittings
CSA-C22.2 No 211.0:2017	General Requirements and Methods of Testing for Nonmetallic Conduits
CSA-C22.2 No 211.1:2017	Rigid Types EB1 and DB2/ES2 PVC Conduit
CSA-C22.2 No 211.2:2017	Rigid PVC (Unplasticized) Conduit,
DIN 8074:2011	Polyethylene (PE) - Pipes PE 80, PE 100 - Dimensions; Text in German and English
DIN 8075:2018	Polyethylene (PE) - Pipes PE 80, PE 100 - Dimensions; Text in German and English
DIN 8077:2008	Polypropylene (PP) pipes - PP-H, PP-B, PP-R, PP-RCT - Dimensions
Guideline 533	Ingredients Used in Drinking Water Products
IAPMO IGC 321:2015	Cured-in-Place Point Rehabilitation Systems for Pipe Reconstruction
IAPMO IGC 334:2016	Push Fit Drain, Waste, and Vent (DWV) Fittings
IAPMO PS 36:2015	Lead-Free Sealing Compounds for Threaded Joints

IAPMO PS 51:2016	Expansion Joints and Flexible Expansion Joints for DWV Piping Systems
ISO 1167-1:2006	Thermoplastics pipes, fittings and assemblies for the conveyance of fluids - Determination of the resistance to internal pressure - Part 1: General method
ISO 13477:2008	Thermoplastic pipes for the conveyance of fluids - Determination of resistance to rapid crack propagation (RCP) - Small-scale steady-state test (S4 test)
ISO 13479:2009	Polyolefin pipes for the conveyance of fluids - Determination of resistance to crack propagation - Test method for slow crack growth on notched pipes
ISO 15874-1:2013	Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 1: General
ISO 15874-2:2013	Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 2: Pipes
ISO 2505:2005	Thermoplastic pipes - Longitudinal reversion - Test method and parameters
ISO 3126:2005	Plastics piping systems - Plastics components - Determination of dimensions
ISO 3127:1994	Thermoplastic pipes- Determination of resistance to external blows- Round-the-clock method
ISO 4427-1:2019	Plastics piping systems for water supply and drainage and sewerage under pressure - Polyethylene (PE) - Part 1: General
ISO 4437-2:2014	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 2: Pipes
ISO 9080:2012	Plastics piping and ducting systems - Determination of the long-term hydrostatic strength of thermoplastic materials in pipe form by extrapolation
PPI TR-3:2021	Policies and Procedures for Developing Hydrostatic Design Basis (HDB), Pressure Design Basis (PDB), Strength Design Basis (SDB), and Minimum Required Strength (MRS) Ratings for Thermoplastic Piping Materials or Pipe
PPI TR-3:2021	Policies and Procedures for Developing Hydrostatic Design Basis (HDB), Pressure Design Basis (PDB), Strength Design Basis (SDB), and Minimum Required Strength (MRS) Ratings for Thermoplastic Piping Materials or Pipe
PPI TR-4:2021	PPI Listing of Hydrostatic Design Basis (HDB), Strength Design Basis (SDB), Pressure Design Basis (PDB), and Minimum Required Strength (MRS) Ratings for Thermoplastic Piping Materials or Pipe

About ExcelPlas

ExcelPlas Materials Testing (ExcelPlas), a global leader in laboratory-based testing services for plastic pipes, has announced the expansion of its Melbourne laboratory specializing in plastic pipes testing. This investment is part of ExcelPlas' strategy to meet the growing demand for specialized plastic pipes testing across multiple sectors, including water and gas distribution, wastewater and landfilling, mining, underfloor heating and various industrial applications. ExcelPlas' plastic pipes laboratory in Melbourne, Australia, has supported the global plastic pipe industry for over 30 years, serving clients across Asia, North America, South America and Europe. The laboratory has been instrumental in advancing testing and failure analysis of plastic pipes.

<https://www.excelplas.com/>

