

Contents of volume 3

3.1 Sheets and films

ISO 1184 : 1983	Plastics — Determination of tensile properties of films	3
ISO/R 1326 : 1970	Plastics — Determination of flammability and burning rate of plastics in the form of film	10 ✓
ISO 1642 : 1987	Plastics — Industrial laminated sheets based on thermosetting resins — Specification	15
ISO 2556 : 1974	Plastics — Determination of the gas transmission rate of films and thin sheets under atmospheric pressure — Manometric method	36
ISO 4586-1 : 1987	Decorative high-pressure laminates (HPL) — Sheets based on thermosetting resins — Part 1: Specification	42
ISO 4586-2 : 1988	Decorative high-pressure laminates (HPL) — Sheets based on thermosetting resins — Part 2: Determination of properties	53
ISO 4591 : 1979	Plastics — Film and sheeting — Determination of average thickness of a sample and average thickness and yield of a roll, by gravimetric techniques (gravimetric thickness)	97
ISO 4592 : 1979¹⁾	Plastics — Film and sheeting — Determination of length and width	100
ISO 4593 : 1979	Plastics — Film and sheeting — Determination of thickness by mechanical scanning	102
ISO 6383-1 : 1983	Plastics — Film and sheeting — Determination of tear resistance — Part 1: Trouser tear method	104
ISO 6383-2 : 1983	Plastics — Film and sheeting — Determination of tear resistance — Part 2: Elmendorf method	108
ISO 7765-1 : 1988	Plastics film and sheeting — Determination of impact resistance by the free-falling dart method — Part 1: Stair-case methods	114
ISO 7823-1 : 1987	Plastics — Poly(methyl methacrylate) sheets — Types, dimensions and characteristics — Part 1: Cast sheets	120

1) Also approved by the International Union of Pure and Applied Chemistry (IUPAC).

ISO 7823-2 : 1989	Plastics — Poly(methyl methacrylate) sheets — Types, dimensions and characteristics — Part 2: Melt-calendered extruded sheets	125
ISO 8295 : 1986	Plastics — Film and sheeting — Determination of the coefficients of friction	131
ISO 8296 : 1987	Plastics — Film and sheeting — Determination of wetting tension	135

3.2 Pipes and fittings

ISO 161-1 : 1978	Thermoplastics pipes for the transport of fluids — Nominal outside diameters and nominal pressures — Part 1: Metric series	141 ✓
ISO 161-2 : 1977	Thermoplastics pipes for the transport of fluids — Nominal outside diameters and nominal pressures — Part 2: Inch series	143 ✓
ISO 264 : 1976	Unplasticized polyvinyl chloride (PVC) fittings with plain sockets for pipes under pressure — Laying lengths — Metric series	145 ✓
	Addendum 01-1982	150
ISO 265-1 : 1988	Pipes and fittings of plastics materials — Fittings for domestic and industrial waste pipes — Basic dimensions: Metric series — Part 1: Unplasticized poly(vinyl chloride) (PVC-U)	152
ISO 580 : 1973	Moulded fittings in unplasticized polyvinyl chloride (PVC) for use under pressure — Oven test	172
ISO 727 : 1985	Fittings of unplasticized polyvinyl chloride (PVC-U), chlorinated polyvinyl chloride (PVC-C) or acrylonitrile/butadiene/styrene (ABS) with plain sockets for pipes under pressure — Dimensions of sockets — Metric series	173
ISO 1167 : 1973	Plastics pipes for the transport of fluids — Determination of the resistance to internal pressure	175
ISO 2035 : 1974	Unplasticized polyvinyl chloride (PVC) moulded fittings for elastic sealing ring type joints for use under pressure — Pressure-resistance test	179 ✓
ISO 2043 : 1974	Unplasticized polyvinyl chloride (PVC) moulded fittings for elastic sealing ring type joints for use under pressure — Oven test	180 ✓
ISO 2044 : 1974	Unplasticized polyvinyl chloride (PVC) injection-moulded solvent-welded socket fittings for use with pressure pipe — Hydraulic internal pressure test	181 ✓

ISO 2045 : 1988	Single sockets for unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) pressure pipes with elastic sealing ring type joints – Minimum depths of engagement	182
ISO 2048 : 1973	Double socket fittings for unplasticized polyvinyl chloride (PVC) pressure pipes with elastic sealing ring type joints – Minimum depths of engagement	183
ISO 2505 : 1981	Unplasticized polyvinyl chloride (PVC) pipes – Longitudinal reversion – Test methods and specification.....	184
ISO 2506 : 1981	Polyethylene pipes (PE) – Longitudinal reversion – Test methods and specification.....	187
ISO 2507 : 1982	Unplasticized polyvinyl chloride (PVC) pipes and fittings – Vicat softening temperature – Test method and specification	190
ISO 2508 : 1981	Unplasticized polyvinyl chloride (PVC) pipes – Water absorption – Determination and specification.....	194
ISO 2536 : 1974	Unplasticized polyvinyl chloride (PVC) pressure pipes and fittings, metric series – Dimensions of flanges	196
ISO 2703 : 1973	Buried unplasticized polyvinyl chloride (PVC) pipes for the supply of gaseous fuels – Metric series – Specification ...	198
ISO 3114 : 1977	Unplasticized polyvinyl chloride (PVC) pipes for potable water supply – Extractability of lead and tin – Test method	201
ISO 3126 : 1974	Plastics pipes – Measurement of dimensions	203
ISO 3127 : 1980	Unplasticized polyvinyl chloride (PVC) pipes for the transport of fluids – Determination and specification of resistance to external blows.....	205
ISO 3212 : 1975	Polypropylenepipes – Burst test requirements	213
ISO 3213 : 1975	Polypropylenepipes – Reduction of permissible stress as a function of time and temperature.....	214
ISO 3458 : 1976	Assembled joints between fittings and polyethylene (PE) pressure pipes – Test of leakproofness under internal pressure	215
ISO 3459 : 1976	Polyethylene (PE) pressure pipes – Joints assembled with mechanical fittings – Internal under-pressure test method and requirement	217
ISO 3460 : 1975	Unplasticized polyvinyl chloride (PVC) pressure pipes – Metric series – Dimensions of adapter for backing flange ..	219

ISO 3472 : 1975	Unplasticized polyvinyl chloride (PVC) pipes — Specification and determination of resistance to acetone	221 _✓
ISO 3473 : 1977	Unplasticized polyvinyl chloride (PVC) pipes — Effect of sulphuric acid — Requirement and test method	222 _✓
ISO 3474 : 1976	Unplasticized polyvinyl chloride (PVC) pipes — Specification and measurement of opacity	224 _✓
ISO 3477 : 1981	Polypropylene (PP) pipes and fittings — Density — Determination and specification	225 _✓
ISO 3478 : 1975	Polypropylene (PP) pipes — Determination of longitudinal reversion	226 _✓
ISO 3480 : 1976	Polypropylene (PP) pipes — Maximum permissible longitudinal reversion	228 _✓
ISO 3501 : 1976	Assembled joints between fittings and polyethylene (PE) pressure pipes — Test of resistance to pull out	229
ISO 3503 : 1976	Assembled joints between fittings and polyethylene (PE) pressure pipes — Test of leakproofness under internal pressure when subjected to bending	231
ISO 3514 : 1976	Chlorinated polyvinyl chloride (CPVC) pipes and fittings — Specification and determination of density	233
ISO 3603 : 1977	Fittings for unplasticized polyvinyl chloride (PVC) pressure pipes with elastic sealing ring type joints — Pressure test for leakproofness	234 _✓
ISO 3604 : 1976	Fittings for unplasticized polyvinyl chloride (PVC) pressure pipes with elastic sealing ring type joints — Pressure test for leakproofness under conditions of external hydraulic pressure	236 _✓
ISO 3606 : 1976	Unplasticized polyvinyl chloride (PVC) pipes — Tolerances on outside diameters and wall thicknesses	238 _✓
ISO 3607 : 1977	Polyethylene (PE) pipes — Tolerances on outside diameters and wall thicknesses	240 _✓
ISO 3608 : 1976	Chlorinated polyvinyl chloride (CPVC) pipes — Tolerances on outside diameters and wall thicknesses	241 _✓
ISO 3609 : 1977	Polypropylene (PP) pipes — Tolerances on outside diameters and wall thicknesses	243 _✓
ISO 3663 : 1976	Polyethylene (PE) pressure pipes and fittings , metric series — Dimensions of flanges	244 _✓
ISO 4056 : 1978	Polyethylene (PE) pipes and fittings — Designation of polyethylene, based on nominal density and melt flow index	246 _✓

ISO 4059 : 1978	Polyethylene (PE) pipes — Pressure drop in mechanical pipe-jointingsystems — Method of test and requirements. .	247/
ISO 4065 : 1978	Thermoplasticpipes — Universal wall thicknessstable.	250/
ISO 4132 : 1979	Unplasticized polyvinyl chloride (PVC) and metal adaptor fittings for pipes under pressure — Laying lengths and size of threads — Metric series	254/
ISO/TR 4191 : 1989	Unplasticized polyvinyl chloride (PVC-U) pipes for water supply — Recommendedpractice for laying	259
ISO 4433 : 1984	Polyolefin pipes — Resistance to chemical fluids — Immersion test method — System for preliminaryclassification. . .	280
ISO 4434 : 1977	Unplasticized polyvinyl chloride (PVC) adaptor fittings for pipes under pressure — Laying length and size of threads — Metric series.	294/
ISO 4437 : 1988	Buried polyethylene (PE) pipes for the supply of gaseous fuels — Metric series — Specification	297/
ISO 4439 : 1979	Unplasticized polyvinyl chloride (PVC) pipes and fittings — Determination and specification of density	306/
ISO 4440 : 1980	Polyethylene (PE) pipes and fittings — Determination of melt flow rate.	307/
ISO 4451 : 1980	Polyethylene (PE) pipes and fittings — Determination of reference density of uncoloured and black polyethylenes . . .	309
ISO/TR 6285 : 1980	Pipes and fittings of acrylonitrile/butadiene/styrene terpolymer (ABS) — Chemical resistancewith respect to fluids	313
ISO 6455 : 1983	Unplasticized polyvinyl chloride (PVC) fittings with elastic sealing ring type joints for pipes under pressure — Dimensions of laying lengths — Metric series	320
ISO 6964 : 1986	Polyolefin pipes and fittings — Determination of carbon black content by calcination and pyrolysis — Test method and basic specification.	327
ISO 6992 : 1986	Unplasticized polyvinyl chloride (PVC-U) pipes for drinking water supply — Extractability of cadmium and mercury occurringas impurities.	329
ISO 6993 : 1990	Buried, high-impact poly(vinyl chloride) (PVC-HI) pipes for the supply of gaseous fuels — Specification.	332

ISO/IR 7024 : 1985	Aboveground drainage — Recommended practice and techniques for the installation of unplasticized polyvinyl chloride (PVC-U) sanitary pipework for above-ground systems inside buildings.	337
ISO/IR 7073 : 1988	Recommended techniques for the installation of unplasticized poly(vinyl chloride) (PVC-U) buried drains and Sewers	376
ISO/IR 7074 : 1986	Performance requirements for plastics pipes and fittings for use in underground drainage and sewage	397
ISO 7245 : 1984	Pipes and fittings of acrylonitrile-butadiene-styrene (ABS) — General specification for moulding and extrusion materials	428
ISO 7246 : 1984	Pipes and fittings of acrylonitrile/styrene/acrylester (ASA) — General specification for moulding and extrusion materials	431
ISO 7279 : 1984	Polypropylene (PP) fittings for pipes under pressure — Sockets for fusion using heated tools — Metric series — Dimensions of sockets	434
ISO 7370 : 1983	Glass fibre reinforced thermosetting plastics (GRP) pipes and fittings — Nominal diameters, specified diameters and standard lengths	437
ISO/IR 7471 : 1981	Polypropylene (PP) pipes and fittings — Chemical resistance with respect to fluids	439
ISO/IR 7472 : 1981	Low density polyethylene pipes and fittings — Chemical resistance with respect to fluids	453
ISO/IR 7473 : 1981	Unplasticized polyvinyl chloride pipes and fittings — Chemical resistance with respect to fluids.	465
ISO/IR 7474 : 1981	High density polyethylene pipes and fittings — Chemical resistance with respect to fluids	477
ISO 8584-1 : 1990	Thermoplastics pipes for industrial applications under pressure — Determination of the chemical resistance factor and of the basic stress — Part 1: Polyolefin pipes	489
ISO 8796 : 1989	Polyethylene (PE) 25 pipes for irrigation laterals — Susceptibility to environmental stress-cracking induced by insert-type fittings — Test method and specification	513
ISO 9356 : 1989	Polyolefin pipe assemblies with or without jointed fittings — Resistance to internal pressure — Test method	516

3.3 Hoses

ISO 1307 : 1983	Rubber and plastics hoses — Bore diameters and tolerances on length	525
ISO 1402 : 1984	Rubber and plastics hoses and hose assemblies — Hydrostatic testing	526/
ISO 1746 : 1983	Rubber or plastics hoses and tubing — Bending tests.....	530/
ISO 3949 : 1980	Plastics hoses and hose assemblies — Thermoplastics, textile-reinforced, hydraulic type	534
ISO 3994 : 1977	Plastics products — Hose of polymer reinforced thermoplastics for suction and discharge.....	541/
ISO 4080 : 1987	Rubber and plastics hoses — Determination of gas permeance.....	547
ISO 4671 : 1984	Rubber and plastics hose and hose assemblies — Methods of measurement of dimensions	550/
ISO 4672 : 1988	Rubber and plastics hoses — Sub-ambient temperature flexibility tests	555/
ISO 5774 : 1980	Plastics hoses — Textile-reinforced thermoplastics type for compressed air — Specification	558
ISO 6224 : 1981	Plastics hoses, textile-reinforced, for water — Specification	560
ISO 6801 : 1983	Rubber or plastics hoses — Determination of volumetric expansion.....	562
ISO 6802 : 1982	Rubber and plastics hose and hose assemblies — Wire reinforced — Hydraulic impulse test with flexing	565
ISO 6803 : 1984	Rubber or plastics hoses and hose assemblies — Hydraulic pressure impulse test without flexing.....	567
ISO 6808 : 1984	Plastics hoses for suction and low-pressure discharge — Petroleum liquids — Specification	573
ISO 7233 : 1983	Rubber and plastics hoses and hose assemblies — Vacuum resistance — Methods of test	579
ISO 7326 : 1984	Rubber and plastics hoses — Assessment of ozone resistance under static conditions.....	580
ISO 7662 : 1988	Rubber and plastics hoses — Determination of abrasion of lining.....	584
ISO 7751 : 1983	Rubber and plastics hoses and hose assemblies — Ratios of proof and burst pressure to design working pressure	587

3.6 Ropes and twines

ISO 1140 : 1975	Ropes and cordage — Three-strand polyamide multifila- mentropes	657/
ISO 1141 : 1975	Ropes and cordage — Three-strand polyester multifilament ropes	659/
ISO 1346 : 1975	Ropes and cordage — Three-strand (hawser-laid) and eight- strand (plaited) polypropylene monofilament or film ropes — Required characteristics	661
ISO 1969 : 1976	Ropes and cordage — Three-strand polyethylene monofila- ment ropes	663 ✓
ISO 3505 : 1975	Ropes and cordage — Equivalence between natural fibre ropes and man-made fibre ropes for use in the mooring of vessels	665 ✓
ISO 4167 : 1979	Ropes and cordage — Polyolefin agricultural twines	667

3.7 Adhesives

ISO 4578 : 1990	Adhesives — Determination of peel resistance of high- strength adhesive bonds — Floating roller method	675
ISO 4587 : 1979	Adhesives — Determination of tensile lap-shear strength of high strength adhesive bonds	678 ✓
ISO 4588 : 1989	Adhesives — Preparation of metal surfaces for adhesive bonding	681
ISO 6237 : 1987	Adhesives — Wood-to-wood adhesive bonds — Determi- nation of shear strength by tensile loading	687
ISO 6238 : 1987	Adhesives — Wood-to-wood adhesive bonds — Determi- nation of shear strength by compression loading	695
ISO 6922 : 1987	Adhesives — Determination of tensile strength of butt joints	703
ISO 7387-1 : 1983	Adhesives with solvents for assembly of uPVC pipe elements — Characterization — Part 1: Basic test methods	706
ISO standards by numerical order		717
Subject index of volumes 1.2 and 3		721