

Contents of volume 2

2.1 Thermosetting materials

ISO 59 : 1976	Plastics — Phenolic mouldings — Determination of acetone-soluble matter	3
ISO 119 : 1977	Plastics — Phenol-formaldehyde mouldings — Determination of free phenols — Iodometric method	5
ISO 120 : 1977	Plastics — Phenol-formaldehyde mouldings — Determination of free ammonia and ammonium compounds — Colorimetric comparison method	7
ISO 172 : 1978	Plastics — Phenol-formaldehyde mouldings — Detection of free ammonia	9
ISO 295 : 1974	Plastics — Compression moulding test specimens of thermosetting materials	10
ISO 308 : 1981	Plastics — Phenolic moulding materials — Determination of acetone-soluble matter (apparent resin content of material in the un moulded state)	15
ISO 584 : 1982	Plastics — Unsaturated polyester resins — Determination of reactivity at 80 degrees C (conventional method)	17
ISO 800 : 1977	Plastics — Phenolic moulding materials — Specification	20
ISO 2112 : 1977	Plastics — Aminoplastic moulding materials — Specification	24 ✓
ISO 2114 : 1974	Plastics — Unsaturated polyester resins — Determination of acid value	28 ✓
ISO 2535 : 1974	Plastics — Unsaturated polyester resins — Measurement of gel time at 25 degrees C	30 ✓
ISO 2554 : 1974	Plastics — Unsaturated polyester resins — Determination of hydroxyl value	33 ✓
ISO 2577 : 1984	Plastics — Thermosetting moulding materials — Determination of shrinkage	35
ISO 3001 : 1978	Plastics — Epoxide compounds — Determination of epoxide equivalent	38
ISO 3521 : 1976	Plastics — Polyester and epoxy casting resins — Determination of total volume shrinkage	41 ✓
ISO 3671 : 1976	Plastics — Aminoplastic moulding materials — Determination of volatile matter	43

ISO 3672-1 : 1979	Plastics — Unsaturated polyester resins — Part 1: Designation	44 ✓
ISO 3673-1 : 1980	Plastics — Epoxide resins — Part 1: Designation	49
ISO 4573 : 1978	Plastics — Epoxide resins and glycidyl esters — Determination of inorganic chlorine	51
ISO 4583 : 1978	Plastics — Epoxide resins and related materials — Determination of easily saponifiable chlorine	53
ISO 4597-1 : 1983	Plastics — Hardeners and accelerators for epoxide resins — Part 1: Designation	56
ISO 4614 : 1977	Plastics — Melamine-formaldehyde mouldings — Determination of extractable formaldehyde	58 ✓
ISO 4615 : 1979	Plastics — Unsaturated polyesters and epoxide resins — Determination of total chlorine content.	62 ✓
ISO 4895 : 1987	Plastics — Liquid epoxide resins — Determination of tendency to crystallize	67
ISO 4896 : 1979	Plastics — Melamine/phenolic moulding materials — Specification	69
ISO/TR 8244 : 1988	Plastics — Phenolic resins — Basis for classification	72
ISO 8618 : 1987	Plastics — Liquid phenolic resins — Conventional determination of non-volatile matter.	76
ISO 8619 : 1988	Plastics — Phenolic resin powder — Determination of flow distance on a glass plate.	78
ISO 8620 : 1986	Plastics — Phenolic resin powder — Sieve analysis using air-jet sieve apparatus.	81
ISO 8974 : 1988	Plastics — Phenolic resins — Determination of residual phenol content by gas chromatography	83
ISO 8975 : 1989	Plastics — Phenolic resins — Determination of pH	85
ISO 8987 : 1988	Plastics — Phenolic resins — Determination of reactivity on a B-transformation test plate.	89
ISO 8988 : 1989	Plastics — Phenolic resins — Determination of hexamethylenetetramine content.	92
ISO 8989 : 1988	Plastics — Liquid phenolic resins — Determination of water miscibility	95
ISO 9396 : 1989	Plastics — Phenolic resins — Determination of the gel time at a given temperature using automatic apparatus.	97

ISO 9397 : 1989	Plastics — Phenolic resins — Determination of free formaldehyde content	101
ISO 9771 : 1989	Plastics — Phenolic resins — Determination of reactivity of resols under acid conditions	103

2.2 Thermoplastic materials

ISO 174 : 1974	Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of viscosity number in dilute solution	107
ISO/R 182 : 1970	Plastics — Determination of the thermal stability of polyvinyl chloride and related copolymers and their compounds by splitting off of hydrogen chloride.	111 ✓
ISO 293 : 1986	Plastics — Compression moulding test specimens of thermoplastic materials	117
ISO 294 : 1975	Plastics — Injection moulding test specimens of thermoplastic materials.	121 ✓
ISO 305 : 1990	Plastics — Determination of thermal stability of poly(vinyl chloride) , related chlorine-containing homopolymers and copolymers and their compounds — Discoloration method	124
ISO 306 : 1987	Plastics — Thermoplastic materials — Determination of Vicat softening temperature	128
ISO 307 : 1984	Plastics — Polyamides — Determination of viscosity number	131
ISO 458-2 : 1985	Plastics — Determination of stiffness in torsion of flexible materials — Part 2: Application to plasticized compounds of homopolymers and copolymers of vinyl chloride	139
ISO 585 : 1982	Plastics — Non-plasticized cellulose acetate — Determination of moisture content	141
ISO 599 : 1985	Plastics — Polyamide homopolymers — Determination of matter extractable by boiling methanol	142
ISO 960 : 1988	Plastics — Polyamides (PA) — Determination of water content	145
ISO 1060-1 : 1982	Plastics — Homopolymer and copolymer resins of vinyl chloride — Part 1: Designation.	155
ISO 1060-2 : 1985	Plastics — Homopolymer and copolymer resins of vinyl chloride — Part 2: Determination of properties	160

ISO 1061 : 1975	Plastics — Unplasticized cellulose acetate — Determination of free acidity	162 ✓
ISO 1068 : 1975	Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of compacted apparent bulk density	164 ✓
ISO 1110 : 1987	Plastics — Polyamides — Accelerated conditioning of test specimens	166
ISO 1133 : 1981	Plastics — Determination of the melt flow rate of thermoplastics	168
ISO 1157 : 1975	Plastics — Cellulose acetate in dilute solution — Determination of viscosity number and viscosity ratio	174 ✓
ISO 1158 : 1984	Plastics — Vinyl chloride homopolymers and copolymers — Determination of chlorine	177
ISO 1159 : 1978	Plastics — Vinyl chloride-vinyl acetate copolymers — Determination of vinyl acetate	181
ISO 1163-1 : 1985	Plastics — Unplasticized compounds of homopolymers and copolymers of vinyl chloride — Part 1 : Designation	185
ISO 1163-2 : 1980	Plastics — Unplasticized compounds of homopolymers and copolymers of vinyl chloride — Part 2: Determination of properties	189
ISO 1191 : 1975	Plastics — Polyethylenes and polypropylenes in dilute solution — Determination of viscosity number and of limiting viscosity number	192 ✓
ISO 1218 : 1975	Plastics — Polyamides — Determination of "melting point"	196 ✓
ISO 1264 : 1980	Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of pH of aqueous extract	202
ISO 1265 : 1979	Plastics — Polyvinyl chloride resins — Determination of number of impurities and foreign particles	204
ISO 1269 : 1980	Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of volatile matter (including water)	207
ISO 1270 : 1975	Plastics — PVC resins — Determination of ash and sulphated ash	209 ✓
ISO 1597 : 1975	Plastics — Unplasticized cellulose acetate — Determination of acetic acid yield	211

ISO 1598 : 1975	Plastics — Cellulose acetate — Determination of insoluble particles	214 ✓
ISO 1599 : 1975	Plastics — Cellulose acetate — Determination of viscosity loss on moulding	216 ✓
ISO 1600 : 1975	Plastics — Cellulose acetate — Determination of light absorption before and after heating	219 ✓
ISO 1622-1 : 1985	Plastics — Polystyrene (PS) moulding and extrusion materials — Part 1: Designation	223
ISO 1622-2 : 1980	Plastics — Polystyrene moulding and extrusion materials — Part 2: Determination of properties	226
ISO 1624 : 1978	Plastics — Vinyl chloride homopolymer and copolymer resins — Sieve analysis in water	230
ISO 1628-2 : 1988	Plastics — Determination of viscosity number and limiting viscosity number — Part 2: Poly(vinyl chloride) resins	234
ISO 1628-4 : 1986	Plastics — Determination of viscosity number and limiting viscosity number — Part 4: Polycarbonate (PC) moulding and extrusion materials	236
ISO 1628-5 : 1986	Plastics — Determination of viscosity number and limiting viscosity number — Part 5: Poly(alkylene terephthalates) ..	241
ISO 1628-6 : 1990	Plastics — Determination of viscosity number and limiting viscosity number — Part 6: Methyl methacrylate polymers	245
ISO 1872-1 : 1986	Plastics — Polyethylene (PE) and ethylene copolymer thermoplastics — Part 1: Designation	251
ISO 1872-2 : 1989	Plastics — Polyethylene (PE) and ethylene copolymer thermoplastics — Part 2: Preparation of test specimens and determination of properties	257
ISO 1873-1 : 1986	Plastics — Polypropylene (PP) and propylene-copolymer thermoplastics — Part 1: Designation	262
ISO 1873-2 : 1989	Plastics — Polypropylene (PP) and propylene-copolymer thermoplastics — Part 2: Preparation of test specimens and determination of properties	268
ISO 1874-1 : 1985	Plastics — Polyamide (PA) homopolymers for moulding and extrusion — Part 1: Designation	273
ISO 1874-2 : 1987	Plastics — Polyamide (PA) homopolymers for moulding and extrusion — Part 2: Preparation of test specimens and determination of properties	280

ISO 1875 : 1982	Plastics — Plasticized cellulose acetate — Determination of matter extractable by diethyl ether	284
ISO 2557-1 : 1989	Plastics — Amorphous thermoplastics — Preparation of test specimens with a specified maximum reversion — Part 1: Bars	287
ISO 2557-2 : 1986	Plastics — Amorphous thermoplastics — Preparation of test specimens with a specified reversion — Part 2: Plates . .	292
ISO 2561 : 1974 ¹⁾	Plastics — Determination of residual styrene monomer in polystyrene by gas chromatography	296
ISO 2580-1 : 1978	Plastics — Acrylonitrile-butadiene-styrene (ABS) moulding and extrusion materials — Part 1: Designation	299
ISO 2580-2 : 1982	Plastics — Acrylonitrile-butadiene-styrene (ABS) moulding and extrusion materials — Part 2: Determination of properties	302
ISO 2897 : 1976	Plastics — Designation of impact-resistant polystyrenes	307
ISO 2897-2 : 1981	Plastics — Impact-resistant polystyrenes — Part 2: Determination of properties	309
ISO 2898-1 : 1986	Plastics — Plasticized compounds of homopolymers and copolymers of vinyl chloride (PVC-P) — Part 1: Designation	314
ISO 2898-2 : 1989	Plastics — Plasticized compounds of homopolymers and copolymers of vinyl chloride (PVC-P) — Part 2: Preparation of test specimens and determination of properties.	318
ISO 3451-2 : 1984	Plastics — Determination of ash — Part 2: Polyalkylene terephthalates	321
ISO 3451-3 : 1984	Plastics — Determination of ash — Part 3: Unplasticized cellulose acetate	323
ISO 3451-4 : 1986	Plastics — Determination of ash — Part 4: Polyamides	325
ISO 3451-5 : 1989	Plastics — Determination of ash — Part 5: Poly(vinyl chloride)	327

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

ISO 3499 : 1976	Plastics — Aqueous dispersions of homopolymers and copolymers of vinyl acetate — Determination of bromine number.....	329 ✓
ISO 4574 : 1978	Plastics — PVC resins for general use — Determination of hot plasticizer absorption.....	331
ISO 4575 : 1985	Plastics — Polyvinyl chloride pastes — Determination of apparent viscosity using the Severs rheometer.....	338
ISO 4577 : 1983	Plastics — Polypropylene and propylene-copolymers — Determination of thermal oxidative stability in air — Oven method.....	344
ISO 4581 : 1987	Plastics — Styrene/acrylonitrile copolymers — Determination of residual acrylonitrile monomer content — Gas chromatography method.....	348
ISO 4608 : 1984	Plastics — Homopolymer and copolymer resins of vinyl chloride for general use — Determination of plasticizer absorption at room temperature.....	354
ISO 4610 : 1977	Plastics — Vinyl chloride homopolymer and copolymer resins — Sieve analysis using air-jet sieve apparatus.....	356 ✓
ISO 4612 : 1979	Plastics — PVC paste resins — Preparation of a paste.....	359
ISO 4613-1 : 1985	Plastics — Ethylene/vinyl acetate copolymer thermoplastics (E/VAC) — Part 1: Designation.....	363
ISO 4613-2 : 1989	Plastics — Ethylene/vinyl acetate copolymer (E/VAC) thermoplastics — Part 2: Preparation of test specimens and determination of properties.....	368
ISO 4894-1 : 1979	Plastics — Styrene/acrylonitrile (SAN) copolymer moulding and extrusion materials — Part 1: Designation.....	372
ISO 4894-2 : 1981	Plastics — Styrene/acrylonitrile (SAN) copolymer moulding and extrusion materials — Part 2: Determination of properties.....	374
ISO 6188 : 1986	Plastics — Poly(alkylene terephthalate) granules — Determination of water content.....	379
ISO 6401 : 1985	Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of residual vinyl chloride monomer — Gas chromatographic method.....	382
ISO 7391-1 : 1987	Plastics — Polycarbonate moulding and extrusion materials — Part 1: Designation.....	386

ISO 7391-2 : 1986	Plastics — Polycarbonate moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties	391
ISO 7792-1 : 1985	Plastics — Polyalkylene terephthalates — Part 1: Designation	394
ISO 7792-2 : 1988	Plastics — Polyalkylene terephthalates — Part 2: Preparation of test specimens and determination of properties ..	399
ISO 8257-1 : 1987	Plastics — Poly(methyl methacrylate) (PMMA) moulding and extrusion materials — Part 1: Designation.....	402
ISO 8328 : 1989	Plastics — Amorphous thermoplastic moulding materials — Determination of maximum reversion	406
ISO 8985 : 1989	Plastics — Ethylene/vinyl acetate copolymer (E/VAC) thermoplastics — Determination of vinyl acetate content. . .	411
ISO 9113 : 1986	Plastics — Polypropylene (PP) and propylene-copolymer thermoplastics — Determination of isotactic index	420

2.3 Cellular materials

ISO 844 : 1978	Cellular plastics — Compression test of rigid materials	425
ISO 845 : 1988	Cellular plastics and rubbers — Determination of apparent (bulk) density.....	428
ISO 1209 : 1976	Rigid cellular plastics — Bending test.....	431
ISO 1663 : 1981	Cellular plastics — Determination of water vapour transmission rate of rigid materials	433
ISO 1798 : 1983	Polymeric materials, cellular flexible — Determination of tensile strength and elongation at break	437
ISO 1856 : 1980	Polymeric materials, cellular flexible — Determination of compression set	439
ISO 1922 : 1981	Cellular plastics — Determination of shear strength of rigid materials.....	441
ISO 1923 : 1981	Cellular plastics and rubbers — Determination of linear dimensions.....	445
ISO 1926 : 1979	Cellular plastics — Determination of tensile properties of rigid materials	448
ISO 2439 : 1980	Polymeric materials, cellular flexible — Determination of hardness (indentation technique).....	452

ISO 2440 : 1983	Polymeric materials, cellular flexible — Accelerated ageing tests	455
ISO 2581 : 1975	Rigid cellular plastics — Determination of apparent thermal conductivity by means of a heat-flow meter	457 ✓
ISO 2796 : 1986	Cellular plastics, rigid — Test for dimensional stability	464
ISC 2896 : 1987	Cellular plastics, rigid — Determination of water absorption	467
ISO 3385 : 1989	Flexible cellular polymeric materials — Determination of fatigue by constant-load pounding	473
ISO 3386-1 : 1986	Polymeric materials, cellular flexible — Determination of stress-strain characteristics in compression — Part 1: Low-density materials	477
ISO 3386-2 : 1984	Polymeric materials, cellular flexible — Determination of stress-strain characteristic in compression — Part 2: High density materials	480
ISO 3582 : 1978	Cellular plastic and cellular rubber materials — Laboratory assessment of horizontal burning characteristics of small specimens subjected to a small flame	482
ISO 4590 : 1981	Cellular plastics — Determination of volume percentage of open and closed cells of rigid materials	489
ISO 4638 : 1984	Polymeric materials, cellular flexible — Determination of air flow permeability	501
ISO 4651 : 1988	Cellular rubbers and plastics — Determination of dynamic cushioning performance	508
ISO 4897 : 1985	Cellular plastics — Determination of the coefficient of linear thermal expansion of rigid materials at sub-ambient temperatures	518
ISO 4898 : 1984	Cellular plastics — Specification for rigid cellular materials used in the thermal insulation of buildings	527
	Addendum 01-1988	533
	Addendum 02-1988	536
ISO 5999 : 1982	Polymeric materials, cellular flexible — Polyurethane foam for load-bearing applications excluding carpet underlay — Specification	537

ISO 6463 : 1985	Polymeric materials. cellular flexible — Polyvinylchloride foam sheeting — Specification	547
ISO 6915 : 1984	Polymeric materials. cellular flexible — Polyurethane foam for laminate use — Specification	553
ISO 7214 : 1985	Cellular plastics — Polyethylene — Methods of test	557
ISO 7231 : 1984	Polymeric materials. cellular flexible — Method of assessment of air flow value at constant pressure-drop	560
ISO 7616 : 1986	Cellular plastics. rigid — Determination of compressive creep under specified load and temperature conditions.	564
ISO 7850 : 1986	Cellular plastics. rigid — Determination of compressive creep.	568
ISO 8067 : 1989	Flexible cellular polymeric materials — Determination of tear strength	569
ISO 8873 : 1987	Cellular plastics. rigid — Spray-applied polyurethane foam for thermal insulation of buildings — Specification	572
ISO standards by numerical order		577
Subject index of volumes 1, 2 and 3		581