

CROSS REFERENCE LIST OF ASTM/ISO PLASTICS STANDARDS

Similar ASTM Standard	STANDARD TOPIC	Similar ISO Standard
	SPECIMEN PREPARATION	
D0955	MEASURING SHRINKAGE FROM MOLD DIMENSIONS OF MOLDED THERMOPLASTICS	294-4
D3419	IN-LINE SCREW-INJECTION MOLDING OF TEST SPECIMENS FROM THERMOSETTING COMPOUNDS	10724
D3641	INJECTION MOLDING TEST SPECIMENS OF THERMOPLASTIC MOLDING AND EXTRUSION MATERIALS	294-1,2,3
D4703	COMPRESSION MOLDING THERMOPLASTIC MATERIALS INTO TEST SPECIMENS, PLAQUES, OR SHEETS	293
D524	COMPRESSION MOLDING TEST SPECIMENS OF THERMOSETTING MOLDING COMPOUNDS	95
D6289	MEASURING SHRINKAGE FROM MOLD DIMENSIONS OF MOLDED THERMOSETTING PLASTICS	2577
	MECHANICAL PROPERTIES	
D0256	DETERMINING THE PENDULUM IMPACT RESISTANCE OF NOTCHED SPECIMENS OF PLASTICS	180
D0638	TENSILE PROPERTIES OF PLASTICS	527-1,2
D0695	COMPRESSIVE PROPERTIES OF RIGID PLASTICS	604
D0785	ROCKWELL HARDNESS OF PLASTICS AND ELECTRICAL INSULATING MATERIALS	2039-2
D0790	FLEXURAL PROPERTIES OF UNREINFORCED AND REINFORCED PLASTICS AND ELECTRICAL INSULATING MATERIALS	178
D0882	TENSILE PROPERTIES OF THIN PLASTIC SHEETING	527-3
D1043	STIFFNESS PROPERTIES OF PLASTICS AS A FUNCTION OF TEMPERATURE BY MEANS OF A TORSION TEST	458-1
D1044	RESISTANCE OF TRANSPARENT PLASTICS TO SURFACE ABRASION	9352
D1708	TENSILE PROPERTIES OF PLASTICS BY USE OF MICROTENSILE SPECIMENS	6239
D1822	TENSILE-IMPACT ENERGY TO BREAK PLASTICS AND ELECTRICAL INSULATING MATERIALS	8256
D1894	STATIC AND KINETIC COEFFICIENTS OF FRICTION OF PLASTIC FILM AND SHEETING	6601

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D1922	PROPAGATION TEAR RESISTANCE OF PLASTIC FILM AND THIN SHEETING BY PENDULUM METHOD	6383-2
D1938	TEAR PROPAGATION RESISTANCE OF PLASTIC FILM AND THIN SHEETING BY A SINGLE-TEAR METHOD	6383-1
D2990	TENSILE, COMPRESSIVE, AND FLEXURAL CREEP AND CREEP-RUPTURE OF PLASTICS	899-1,2
D3763	HIGH-SPEED PUNCTURE PROPERTIES OF PLASTICS USING LOAD AND DISPLACEMENT SENSORS	6603-2
D4065	DETERMINING AND REPORTING DYNAMIC MECHANICAL PROPERTIES OF PLASTICS	6721-1
D4092	DYNAMIC MECHANICAL MEASUREMENTS ON PLASTICS	6721
D4440	RHEOLOGICAL MEASUREMENT OF POLYMER MELTS USING DYNAMIC MECHANICAL PROCEDURES	6721-10
D5023	MEASURING THE DYNAMIC MECHANICAL PROPERTIES OF PLASTICS USING THREE POINT BENDING	6721-3
D5026	MEASURING THE DYNAMIC MECHANICAL PROPERTIES OF PLASTICS IN TENSION	6721-5
D5045	PLANE-STRAIN FRACTURE TOUGHNESS AND STRAIN ENERGY RELEASE RATE OF PLASTIC MATERIALS	572
D5083	TENSILE PROPERTIES OF REINFORCED THERMOSETTING PLASTICS USING STRAIGHT-SIDED SPECIMENS	3268
D5279	MEASURING THE DYNAMIC MECHANICAL PROPERTIES OF PLASTICS IN TORSION	6721
THERMOPLASTIC MATERIALS		
D1239	RESISTANCE OF PLASTIC FILMS TO EXTRACTION BY CHEMICALS	6427
D1693	ENVIRONMENTAL STRESS-CRACKING OF ETHYLENE PLASTICS	4599
D1928	PREPARATION OF COMPRESSION-MOLDED POLYETHYLENE TEST SHEETS AND TEST SPECIMENS	293 and 1872-2
D2581	POLYBUTYLENE (PB) PLASTICS MOLDING AND EXTRUSION MATERIALS	8986-1 and 8986-2
D2765	DETERMINATION OF GEL CONTENT AND SWELL RATIO OF CROSSLINKED ETHYLENE PLASTICS	10147
D2951	RESISTANCE OF TYPES III AND IV POLYETHYLENE PLASTICS TO THERMAL STRESS-CRACKING	TR1837
D4020	ULTRA-HIGH-MOLECULAR-WEIGHT POLYETHYLENE MOLDING AND EXTRUSION MATERIALS	11542-1&2
D4976	POLYETHYLENE PLASTICS MOLDING AND EXTRUSION MATERIALS	1872-1&2

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D0788	SYSTEM FOR POLY(METHYL METHACRYLATE) (PMMA) MOLDING AND EXTRUSION COMPOUNDS	FDIS 8257-1 ISO 8257-2
D4802	POLY(METHYL METHACRYLATE) ACRYLIC PLASTIC SHEET	ISO 7823-1 and -2
D3965	RIGID ACRYLONITRILE-BUTADIENE-STYRENE (ABS) COMPOUNDS FOR PIPE AND FITTINGS	7245
D4203	STYRENE ACRYLONITRILE (SAN) INJECTION AND EXTRUSION MATERIALS	4894-1 4894-2
D4549	POLYSTYRENE MOLDING AND EXTRUSION MATERIALS (PS)	1622-1&2 2897-1&2
D4634	STYRENE-MALEIC ANHYDRIDE MATERIALS (S/MA)	10366-1 10366-2
D4673	ACRYLONITRILE-BUTADIENE-STYRENE (ABS) MOLDING AND EXTRUSION MATERIALS	2580-1 2580-2
D3012	THERMAL OXIDATIVE STABILITY OF PROPYLENE PLASTICS USING A BIAxIAL ROTATOR	4577
D4101	PROPYLENE PLASTIC INJECTION AND EXTRUSION MATERIALS	1873-1&2
D5857	PROPYLENE PLASTIC INJECTION AND EXTRUSION MATERIALS FOR INTERNATIONAL USE	1873-1&2
D1203	VOLATILE LOSS FROM PLASTICS USING ACTIVATED CARBON METHODS	176
D1243	DILUTE SOLUTION VISCOSITY OF VINYL CHLORIDE POLYMERS	DIS 1628-2
D1705	PARTICLE SIZE ANALYSIS OF POWDERED POLYMERS AND COPOLYMERS OF VINYL CHLORIDE	1624
D1755	POLY(VINYL CHLORIDE) RESINS	1264 (pH only)
D1784	RIGID POLY(VINYL CHLORIDE) (PVC) COMPOUNDS AND CHLORINATED POLY(VINYL CHLORIDE) (CPVC) COMPOUNDS	1163-1 1163-2
D1823	APPARENT VISCOSITY OF PLASTISOLS AND ORGANOSOLS AT HIGH SHEAR RATES BY EXTRUSION VISCOMETER	3219
D1824	APPARENT VISCOSITY OF PLASTISOLS AND ORGANOSOLS AT LOW SHEAR RATES BY BROOKFIELD VISCOMETER	2555
D2115	OVEN HEAT STABILITY OF POLY(VINYL CHLORIDE) COMPOSITIONS	305
D2287	NONRIGID VINYL CHLORIDE POLYMER AND COPOLYMER MOLDING AND EXTRUSION COMPOUNDS	2898-1 2898- 2
D3030	VOLATILE MATTER (INCLUDING WATER) OF VINYL CHLORIDE RESINS	1269
D3367	PLASTICIZER SORPTION OF POLY(VINYL CHLORIDE) RESINS UNDER APPLIED CENTRIFUGAL FORCE	4608

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D422	THERMAL STABILITY OF POLY(VINYL CHLORIDE) (PVC) RESIN	305
D0789	DETERMINATION OF RELATIVE VISCOSITY, MELTING POINT, AND MOISTURE CONTENT OF POLYAMIDE (PA)	960 (water only)
D4066	NYLON INJECTION AND EXTRUSION MATERIALS	1874-1 1874-2
D1430	POLYCHLOROTRIFLUOROETHYLENE (PCTFE) PLASTICS	12086-1 12086-2
D1710	POLYTETRAFLUOROETHYLENE (PTFE) BASIC SHAPES, ROD, AND HEAVY-WALLED TUBING	13000-1 13000-2
D2116	FEP-FLUOROCARBON MOLDING AND EXTRUSION MATERIALS	12086-1 12086-2
D3159	MODIFIED ETFE-FLUOROPOLYMER MOLDING AND EXTRUSION MATERIALS	12086-1 12086-2
D3275	E-CTFE-FLUOROPLASTIC MOLDING, EXTRUSION, AND COATING MATERIALS	12086-1 12086-2
D3307	PFA-FLUOROCARBON MOLDING AND EXTRUSION MATERIALS	12086-1 12086-2
D3308	PTFE RESIN SKIVED TAPE	13000-1 13000-2
D4441	AQUEOUS DISPERSIONS OF POLYTETRAFLUOROETHYLENE	12086-1 12086-2
D4591	DETERMINING TEMPERATURES AND HEATS OF TRANSITIONS OF FLUOROPOLYMERS BY DIFFERENTIAL SCANNING CALORIMETRY	12086-1 12086-2
D4894	POLYTETRAFLUOROETHYLENE (PTFE) GRANULAR MOLDING AND RAM EXTRUSION MATERIALS	12086-1 12086-2
D4895	POLYTETRAFLUOROETHYLENE (PTFE) RESINS PRODUCED FROM DISPERSION	12086-1 12086-2
D5575	SYSTEM AND BASIS FOR SPECIFICATION OF COPOLYMERS OF VINYLIDENE FLUORIDE (VDF) WITH OTHER FLUORINATED MONOMERS	12086-1 12086-2
D5675	FLUOROPOLYMER MICRO POWDERS	12086-1 12086-2
D6040	SG TO TEST METHODS FOR UNSINTERED PTFE EXTRUDED FILM OR SHEET	12086-1 12086-2
D3935	POLYCARBONATE (PC) UNFILLED AND REINFORCED MATERIAL	7391-1 7391-2
D4349	POYLPHENYLENE ETHER (PPE) MATERIALS	DIS 15103-1 DIS 15103-2
D4181	ACETAL (POM) MOLDING AND EXTRUSION MATERIALS	DIS 9988-1 DIS 9988-2
D4507	THERMOPLASTIC POLYESTER (TPES) MATERIALS	7792-1 7792-2

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D4550	THERMOPLASTIC ELASTOMER-ETHER-ESTER (TEEE)	14910-1 14910-2
D5927	THERMOPLSTIC POLYESTER (TPES) INJECTION AND EXTRUSION MATERIALS BASED ON ISO TEST METHODS	7792-1 7792-2
REINFORCED THERMOSETTING PLASTICS		
D2584	IGNITION LOSS OF CURED REINFORCED RESINS	1172
D2734	VOID CONTENT OF REINFORCED PLASTICS	7822
D3846	IN-PLANE SHEAR STRENGTH OF REINFORCED PLASTICS	4585(?)
D3914	IN-PLANE SHEAR STRENGTH OF PULTRUDED GLASS-REINFORCED PLASTIC ROD	4585(?)
FILM AND SHEETING		
D1709	IMPACT RESISTANCE OF PLASTIC FILM BY THE FREE-FALLING DART METHOD	7765-1,2
D2578	WETTING TENSION OF POLYETHYLENE AND POLYPROPYLENE FILMS	8296
D2732	UNRESTRAINED LINEAR THERMAL SHRINKAGE OF PLASTIC FILM AND SHEETING	11501
D3354	BLOCKING LOAD OF PLASTIC FILM BY THE PARALLEL PLATE METHOD	11502
D4321	PACKAGE YIELD OF PLASTIC FILM	4591
CELLULAR PLASTICS AND ELASTOMERS		
D1056	FLEXIBLE CELLULAR MATERIALS--SPONGE OR EXPANDED RUBBER	6916-1
D1621	COMPRESSIVE PROPERTIES OF RIGID CELLULAR PLASTICS	844
D1622	APPARENT DENSITY OF RIGID CELLULAR PLASTICS	845
D1623	TENSILE AND TENSILE ADHESION PROPERTIES OF RIGID CELLULAR PLASTICS	1926
D2126	RESPONSE OF RIGID CELLULAR PLASTICS TO THERMAL AND HUMID AGING	2796
D2842	WATER ABSORPTION OF RIGID CELLULAR PLASTICS	2896
D2856	OPEN-CELL CONTENT OF RIGID CELLULAR PLASTICS BY THE AIR PYCNOMETER	4590

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D3453	FLEXIBLE CELLULAR MATERIALS--URETHANE FOR FURNITURE AND AUTOMOTIVE CUSHIONING, BEDDING, AND SIMILAR APPLICATIONS	5999
D3574-A	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	845
3574-B1	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	2439
3574-B2	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	2439
3574-C	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	3386-1
3574-D	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	1856
3574-E	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	1798
3574-F	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	8067
3574-G	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	7231
3574-H	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	8307
3574-I3	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	3385
3574-I4	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	None
3574-J	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	2440
3574-K	FLEXIBLE CELLULAR MATERIALS--SLAB, BONDED, AND MOLDED URETHANE FOAMS	2440
D3575	FLEXIBLE CELLULAR MATERIALS MADE FROM OLEFIN POLYMERS	7214
D3676	RUBBER CELLULAR CUSHION USED FOR CARPET OR RUG UNDERLAY	5999
D3748	EVALUATING HIGH DENSITY RIGID CELLULAR THERMOPLASTICS	9054
D4274-A	TESTING POLYURETHANE POLYOL RAW MATERIALS: DETERMINATION OF HYDROXYL NUMBERS OF POLYOLS	CD 14900
D4274-B	TESTING POLYURETHANE POLYOL RAW MATERIALS: DETERMINATION OF HYDROXYL NUMBERS OF POLYOLS	CD 14900
D4274-C	TESTING POLYURETHANE POLYOL RAW MATERIALS: DETERMINATION OF HYDROXYL NUMBERS OF POLYOLS	CD 14900
D4659	POLYURETHANE RAW MATERIALS: DETERMINATION OF SPECIFIC GRAVITY OF ISOCYANATES	10349-11

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D4660	POLYURETHANE RAW MATERIALS: DETERMINATION OF ISOMER CONTENT OF ISOCYANATES	TR9372
D4661	POLYURETHANE RAW MATERIALS: DETERMINATION OF TOTAL CHLORINE IN ISOCYANATES	4615
D4661	POLYURETHANE RAW MATERIALS: DETERMINATION OF TOTAL CHLORINE IN ISOCYANATES	7725
D4669	POLYURETHANE RAW MATERIALS: DETERMINATION OF SPECIFIC GRAVITY OF POLYOLS	10349-11
D4672	POLYURETHANE RAW MATERIALS: DETERMINATION OF WATER CONTENT OF POLYOLS	CD 14897
D4876	POLYURETHANE RAW MATERIALS: DETERMINATION OF ACIDITY OF CRUDE OR MODIFIED ISOCYANATES	CD 14898
D4877	POLYURETHANE RAW MATERIALS: DETERMINATION OF APHA COLOR IN ISOCYANATES	6271
D4878	POLYURETHANE RAW MATERIALS: DETERMINATION OF VISCOSITY OF POLYOLS	3219
D4889	POLYURETHANE RAW MATERIALS: DETERMINATION OF VISCOSITY OF CRUDE OR MODIFIED ISOCYANATES	3104
D4890-B	POLYURETHANE RAW MATERIALS: DETERMINATION OF GARDNER AND APHA COLOR OF POLYOLS	6271
D5155	POLYURETHANE RAW MATERIALS: DETERMINATION OF THE ISOCYANATE CONTENT OF AROMATIC ISOCYANATES	CD 14896
D6099	PU RM: ACIDITY IN MODERATE TO HIGH ACIDITY AROMATIC ISOS	CD 14898
THERMAL PROPERTIES		
D0635	RATE OF BURNING AND/OR EXTENT AND TIME OF BURNING OF SELF-SUPPORTING PLASTICS IN A HORIZONTAL POSITION	1210
D0648	DEFLECTION TEMPERATURE OF PLASTICS UNDER FLEXURAL LOAD	75-1, -2
D0746	BRITTLENESS TEMPERATURE OF PLASTICS AND ELASTOMERS BY IMPACT	974
D1238	FLOW RATES OF THERMOPLASTICS BY EXTRUSION PLASTOMETER	1133
D1525	VICAT SOFTENING TEMPERATURE OF PLASTICS	306
D1790	BRITTLENESS TEMPERATURE OF PLASTIC SHEETING BY IMPACT	8570
D1929	IGNITION PROPERTIES OF PLASTICS	871

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D2863	MEASURING THE MINIMUM OXYGEN CONCENTRATION TO SUPPORT CANDLE-LIKE COMBUSTION OF PLASTICS (OXYGEN INDEX)	4589-2
D3417	HEATS OF FUSION AND CRYSTALLIZATION OF POLYMERS BY THERMAL ANALYSIS	11357-3
D3801	MEASURING THE COMPARATIVE EXTINGUISHING CHARACTERISTICS OF SOLID PLASTICS IN A VERTICAL POSITION	1210B
D3835	DETERMINATION OF PROPERTIES OF POLYMERIC MATERIALS BY MEANS OF A CAPILLARY RHEOMETER	11443
D4804	DETERMINING THE FLAMMABILITY CHARACTERISTICS OF NON-RIGID SOLID PLASTICS	9773
D4986	HORIZONTAL BURNING CHARACTERISTICS OF CELLULAR POLYMERIC MATERIALS	9772
D5025	A LABORATORY BURNER USED FOR SMALL-SCALE BURNING TESTS ON PLASTIC MATERIALS	IEC 695-11-3 and 10093
D5048	MEASURING THE COMPARATIVE BURNING CHARACTERISTICS AND RESISTANCE TO BURN-THROUGH OF SOLID PLASTICS USING 125-MM FLAME	10351
D5207	CALIBRATION OF 20 AND 125 MM TEST FLAMES FOR SMALL-SCALE BURNING TESTS ON PLASTIC MATERIALS	IEC 695-11-3, -4
OPTICAL PROPERTIES		
D0542	INDEX OF REFRACTION OF TRANSPARENT ORGANIC PLASTICS	489
D1003	HAZE AND LUMINOUS TRANSMITTANCE OF TRANSPARENT PLASTICS	14782/13468
ANALYTICAL METHODS		
D0494	ACETONE EXTRACTION OF PHENOLIC MOLDED OR LAMINATED PRODUCTS	308/59
D1505	DENSITY OF PLASTICS BY THE DENSITY-GRADIENT TECHNIQUE	1183
D1601	DILUTE SOLUTION VISCOSITY OF ETHYLENE POLYMERS	1191
D1603	CARBON BLACK IN OLEFIN PLASTICS	6964
D1921	PARTICLE SIZE (SIEVE ANALYSIS) OF PLASTIC MATERIALS	4610
D2124	ANALYSIS OF COMPONENTS IN POLY(VINYL CHLORIDE) COMPOUNDS USING AN INFRARED SPECTROPHOTOMETRIC TECHNIQUE	1265
D2857	DILUTE SOLUTION VISCOSITY OF POLYMERS	307,1628-1

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D3749	RESIDUAL VINYL CHLORIDE MONOMER IN POLY(VINYL CHLORIDE) HOMOPOLYMER RESINS BY GAS CHROMATOGRAPHIC HEADSPACE TECHNIQUE	6401
D4322	RESIDUAL ACRYLONITRILE MONOMER IN STYRENE-ACRYLONITRILE COPOLYMERS AND NITRILE RUBBER BY HEADSPACE GAS CHROMATOGRAPHY	4581
D5630	ASH CONTENT IN THERMOPLASTICS	3451-1,6427
DEGRADABLE PLASTICS		
D5209	DETERMINING THE AEROBIC BIODEGRADATION OF PLASTIC MATERIALS IN THE PRESENCE OF MUNICIPAL SEWER SLUDGE	14852
D5210	DETERMINING THE ANAEROBIC BIODEGRADATION OF PLASTIC MATERIALS IN THE PRESENCE OF MUNICIPAL SEWER SLUDGE	CD 14853
D5271	DETERMINING THE AEROBIC BIODEGRADATION OF PLASTIC MATERIALS IN AN ACTIVATED-SLUDGE-WASTEWATER-TREATMENT SYSTEM	14851
D5338	DETERMINING AEROBIC BIODEGRADATION OF PLASTIC MATERIALS UNDER CONTROLLED COMPOSTING CONDITIONS	14855
D5511	DETERMINING ANAEROBIC BIODEGRADATION OF PLASTIC MATERIALS UNDER HIGH-SOLIDS ANAEROBIC-DIGESTION CONDITIONS	CD 15985