

Appliance materials selector guide



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Product	Description	Suggested Applications	Specific Gravity ASTM D 792	Tensile Yield ASTM D 638		Tensile Break ASTM D 638	
				Elongation %	Stress MPa (psi)	Elongation %	Stress MPa (psi)
DURASTAR™ Polymers							
DS1010 Clear and Tints	PCTA	Refrigerator interior parts	1.20	5	47 (6,900)	300	51 (7,400)
DS2010 Clear and Tints		Floor care	1.20	5	46 (6,700)	310	53 (7,700)
DS1910HF Clear and Tints		Washing machine lids	1.19	5	50 (7,200)	270	43 (6,300)
EASTAR™ Copolyesters							
DN011 Clear	PCTG	Refrigerator interior parts Floor care	1.23	4	44 (6,300)	330	54 (7,800)
EN067 Clear and Tints	PET		1.32	4	57 (8,200)	134	24 (3,500)
GN007 Clear and Tints	PETG		1.27	4.4	50 (7,200)	180	30 (4,300)
TENITE™ Cellulosics							
Propionate 375-12 — 12% PZ Clear and Tints	Cellulose acetate propionate	Floor care	1.20	45	31.7 (4,600)	45	31 (4,800)
TRITAN™ Copolyesters							
TX 1000	Copolyester	Small appliances Dryer doors	1.18	6	43 (6,200)	210	53 (7,700)
TX 1001 (Mold Release)							
TX 1501 HF (High Flow)			1.18	7	43 (6,200)	210	52 (7,500)
TX 2000			1.17	7	44 (6,400)	140	53 (7,700)
TX 2001 (Mold Release)							

^aNonbreak as defined by ASTM D 256 using 3.2-mm (1/8-in.) specimens.

Unless noted otherwise, all tests are run @ 23°C (73°F) and 50% relative humidity. Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

Conversions of metric/U.S. customary values may have been rounded off and therefore may not be exact conversions.

Product	Flexural Modulus MPa (105 psi) ASTM D 790	Izod Impact, Notched J/m (ft·lbf/in.) @ 23°C (73°F) ASTM D 256	Deflection Temperature °C (°F) ASTM D 648		Optical Properties ASTM D 1003	
			@ 1.82 MPa (264 psi)	@ 0.455 MPa (66 psi)	Transmittance %	Haze %
DURASTAR™ Polymers						
DS1010 Clear and Tints	2,000 (2.9)	80 (1.5)	65 (149)	75 (167)	91	0.3
DS2010 Clear and Tints	1,900 (2.8)	370 (7.0)	65 (149)	73 (164)	91	0.3
DS1910HF Clear and Tints	1,900 (2.7)	80 (1.5)	66 (150)	73 (163)	92	<1
EASTAR™ Copolyesters						
DN011 Clear	1,800 (2.6)	NB ^a	64 (147)	73 (163)	92	<0.1
EN067 Clear and Tints	2,600 (3.8)	58 (1.1)	61 (142)	66 (151)	84	—
GN007 Clear and Tints	2,100 (3.0)	105 (1.9)	62 (143)	70 (158)	90	0.2
TENITE™ Cellulosics						
Propionate 375-12 — 12% PZ Clear and Tints	1,448 (2.1)	416 (7.8)	75 (167)	83 (181)	<90	<8.5
TRITAN™ Copolyesters						
TX 1000	1,550 (2.3)	980 (18.4)	85 (185)	99 (210)	90	<1
TX 1001 (Mold Release)						
TX 1501 HF (High Flow)	1,575 (2.3)	860 (16.1)	81 (178)	94 (201)	91	<1
TX 2000	1,585 (2.3)	650 (12.2)	92 (198)	109 (228)	92	<1
TX 2001 (Mold Release)						



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