

Techmer ES Plastiblend® ABS 8002

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Availability: North America Forms: Pellets Features: High Heat Resistance Processing Method: Injection Molding Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-ABS-8002.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ASTM D792
Melt Flow	2.3 g/10 min @Load 10.0 kg, Temperature 220 °C	2.3 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength	31.0 MPa	4500 psi	ASTM D638
Elongation at Yield	3.4 %	3.4 %	ASTM D638
Flexural Yield Strength	57.2 MPa	8300 psi	ASTM D790
Flexural Modulus	1.93 GPa	280 ksi	ASTM D790
Izod Impact, Notched	1.71 J/cm @Thickness 3.17 mm, Temperature -40.0 °C	3.20 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
	2.78 J/cm @Thickness 3.17 mm, Temperature 0.000 °C	5.20 ft-lb/in @Thickness 0.125 in, Temperature 32.0 °F	ASTM D256
	4.16 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	7.80 ft-lb/in @Thickness 0.125 in, Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.9 °C	201 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	78.9 °C	174 °F	Unannealed; ASTM D648

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