

Techmer ES Plastiblend® ABS 7000

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Availability: North America Forms: Pellets Features: Low Gloss Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-ABS-7000.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 cm/cm @Thickness 3.17 mm	0.0060 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	6.0 g/10 min @Load 10.0 kg, Temperature 220 °C	6.0 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, Yield	35.2 MPa	5100 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Strength	60.7 MPa	8800 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Notched	2.67 J/cm @Thickness 3.17 mm, Temperature -40.0 °C	5.00 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
	3.74 J/cm @Thickness 3.17 mm, Temperature 0.000 °C	7.00 ft-lb/in @Thickness 0.125 in, Temperature 32.0 °F	ASTM D256
	3.74 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	7.00 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)	88.9 °C	192 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	82.2 °C	180 °F	Unannealed; ASTM D648

Thermal Properties

Metric

English

Comments

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