

Techmer ES Plastiblend® ABS/PBT 1500

Category : Polymer , Thermoplastic , ABS Polymer , ABS/Polyester Alloy , Polyester, TP

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-ABSPBT-1500.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Water Absorption	0.014 %	0.014 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Yield	43.4 MPa	6300 psi	ASTM D638
Elongation at Break	95 %	95 %	ASTM D638
Flexural Strength	65.5 MPa	9500 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm	1.10 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	103 Åµm/m-Å°C	57.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	99.4 Å°C	211 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	90.6 Å°C	195 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	29.5 kV/mm	750 kV/in	Method A (Short-Time); ASTM D149

Electrical Properties

Metric

English

Comments

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