

Techmer ES Plastiblend® ABS LE WT

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Impact Grade, Molded

Material Notes:

Availability: North America Forms: Pellets Features: Low Extractables and Medium Impact Resistance Appearance: White Information provided by TP Composites, Inc.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Thickness 3.17 mm	0.0050 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	4.5 g/10 min @Load 3.80 kg, Temperature 230 °C	4.5 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Yield	47.6 MPa	6900 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	74.5 MPa	10800 psi	ASTM D790
Flexural Modulus	2.69 GPa	390 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm @Thickness 3.17 mm, Temperature -40.0 °C	0.900 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
	1.01 J/cm @Thickness 3.17 mm, Temperature 0.000 °C	1.90 ft-lb/in @Thickness 0.125 in, Temperature 32.0 °F	ASTM D256
	2.19 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	4.10 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)	94.4 °C	202 °F	Unannealed; ASTM D648

Deflection Temperature at 1.8 MPa (100 psi)	86.7 A°C Metric	188 A°F English	Unannealed; ASTM D648 Comments
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