

Techmer ES Plastiblend® ABS 8004 UV

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Availability: North America Forms: Pellets Additive: UV Stabilizer Features: Good UV Resistance and High Heat Resistance Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-ABS-8004-UV.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ASTM D792
Melt Flow	0.10 g/10 min @Load 3.80 kg, Temperature 230 Â°C	0.10 g/10 min @Load 8.38 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	33.8 MPa	4900 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Flexural Strength	67.6 MPa	9800 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Notched	1.23 J/cm @Thickness 3.17 mm, Temperature -40.0 Â°C	2.30 ft-lb/in @Thickness 0.125 in, Temperature -40.0 Â°F	ASTM D256
	1.82 J/cm @Thickness 3.17 mm, Temperature 0.000 Â°C	3.40 ft-lb/in @Thickness 0.125 in, Temperature 32.0 Â°F	ASTM D256
	4.48 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	8.40 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.9 Â°C	201 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	86.1 Â°C	187 Â°F	Unannealed; ASTM D648

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