

Techmer ES Plastiblend® ABS 8004 FR

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Unreinforced, Flame Retardant

Material Notes:

Availability: North America Forms: Pellets Features: Flame Retardant Processing Method: Extrusion Information provided by TP Composites, Inc.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	ASTM D792
Melt Flow	1.0 g/10 min @Load 3.80 kg, Temperature 230 °C	1.0 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	30.3 MPa	4400 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	63.4 MPa	9200 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 °C	2.30 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
	1.60 J/cm @Thickness 3.17 mm, Temperature 0.000 °C	3.00 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)	93.9 °C	201 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	86.1 °C	187 °F	Unannealed; ASTM D648

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