

Techmer ES Plastiblend® ABS 8009 FR

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

Material Notes:

Availability: North America Forms: Pellets Features: Flame Retardant 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-8009-FR.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D792
Melt Flow	6.0 g/10 min	6.0 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 220 Â°C	@Load 22.0 lb, Temperature 428 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	37.2 MPa	5400 psi	ASTM D638
Elongation at Break	3.1 %	3.1 %	ASTM D638
Flexural Strength	71.0 MPa	10300 psi	ASTM D790
Flexural Modulus	2.34 GPa	340 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature -40.0 Â°C	@Thickness 0.125 in, Temperature -40.0 Â°F	
	0.854 J/cm	1.60 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 0.000 Â°C	@Thickness 0.125 in, Temperature 32.0 Â°F	
	1.55 J/cm	2.90 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 22.8 Â°C	@Thickness 0.125 in, Temperature 73.0 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	107 Â°C	225 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	94.4 Â°C	202 Â°F	Unannealed; ASTM D648

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