

Techmer ES Statiblend® ABS E AS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Availability: North AmericaForms: PelletsAdditive: AntistaticFeatures: AntistaticInformation provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Statiblend-ABS-E-AS.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Melt Flow	1.0 g/10 min	1.0 g/10 min	ASTM D1238
	@Load 3.80 kg, Temperature 230 Â°C	@Load 8.38 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	37.9 MPa	5500 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Yield Strength	69.6 MPa	10100 psi	ASTM D790
Flexural Modulus	2.28 GPa	330 ksi	ASTM D790
Izod Impact, Notched	2.67 J/cm	5.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Unnotched	NB	NB	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	68.4 Âµm/m-Â°C	38.0 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	102 Â°C	215 Â°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	ASTM D257
Surface Resistance	1.00e+9 ohm	1.00e+9 ohm	ASTM D257

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