

Techmer ES Statiblend[®] ABS AS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Availability: North America Forms: Pellets Additive: Antistatic Features: Antistatic Information provided by TP Composites, Inc.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Water Absorption	0.77 %	0.77 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	42.1 MPa	6100 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Yield Strength	62.1 MPa	9000 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 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	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	72.0 Åµm/m-Å°C	40.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	88.9 Å°C	192 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	73.9 Å°C	165 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	ASTM D257
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	ASTM D257

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