

PolyOne Stat-Tech™ AS-15GF/000 SD ABS - 15% Glass Fiber Reinforced - Antistatic Protection (discontinued **)&

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 20% Glass Fiber Filled

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-AS-15GF000-SD-ABS-15-Glass-Fiber-Reinforced-Antistatic-Protection-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hrs. ASTM D570
Water Absorption at Saturation	0.80 %	0.80 %	ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm @Thickness 3.17 mm	0.0020 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	52.0 MPa	7540 psi	ASTM D638
Elongation at Break	2.0 - 4.0 %	2.0 - 4.0 %	ASTM D638
Tensile Modulus	4.80 GPa	696 ksi	ASTM D638
Izod Impact, Notched	0.690 J/cm @Thickness 6.35 mm	1.29 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	96.0 °C	205 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+9 - 1.00e+13 ohm	1.00e+9 - 1.00e+13 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	221 - 243 °C	430 - 469 °F	Stock
Mold Temperature	27.0 - 54.0 °C	80.6 - 129 °F	
Drying Temperature	82.0 °C	180 °F	

Processing Properties

Metric

English

Comments

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