

PolyOne Stat-Tech™ AS-7SS/000 ABS - 7% Stainless Steel Fiber (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Stainless Steel Fiber Filled

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-AS-7SS000-ABS-7-Stainless-Steel-Fiber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in³	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm @Thickness 3.17 mm	0.0040 - 0.0060 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	45.0 MPa	6530 psi	ASTM D638
Elongation at Break	1.0 - 3.0 %	1.0 - 3.0 %	ASTM D638
Tensile Modulus	3.10 GPa	450 ksi	ASTM D638
Flexural Yield Strength	66.0 MPa	9570 psi	ASTM D790
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	1.07 - 1.60 J/cm @Thickness 6.35 mm	2.00 - 3.00 ft-lb/in @Thickness 0.250 in	ASTM D256

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00 - 10.0 ohm-cm	1.00 - 10.0 ohm-cm	ASTM D257
Surface Resistance	1.0 - 10 ohm	1.0 - 10 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 232 °C	399 - 450 °F	Stock
Mold Temperature	38.0 - 66.0 °C	100 - 151 °F	
Drying Temperature	71.0 - 82.0 °C	160 - 180 °F	

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