

PolyOne Stat-Tech™ AS-30GF/000 SD Acrylonitrile Butadiene Styrene (ABS), Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Description/Features: Glass Fiber Reinforced Antistatic Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-AS-30GF000-SD-Acrylonitrile-Butadiene-Styrene-ABS-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ASTM D792
Water Absorption	0.18 % @Thickness 0.508 mm	0.18 % @Thickness 0.0200 in	24 hr. Immersion; ASTM D570
Water Absorption at Saturation	0.70 % @Thickness 0.508 mm	0.70 % @Thickness 0.0200 in	Long-Term Immersion; ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	62.1 MPa	9000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	6.21 GPa	900 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Izod Impact, Notched	0.587 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.10 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	96.1 °C	205 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+10 - 1.00e+14 ohm	1.00e+10 - 1.00e+14 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	221 - 243 °C	430 - 470 °F	Molding

Processing Properties	Metric 54.4 °C	English 30 °F	Comments
Drying Temperature	82.2 °C	180 °F	
Dry Time	2 hour	2 hour	

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