

PolyOne Stat-Tech™ AS-15CP/000 ABS - 15% Carbon Powder (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-AS-15CP000-ABS-15-Carbon-Powder-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in³	ASTM D792
Water Absorption	0.14 %	0.14 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	34.0 MPa	4930 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	34.0 MPa	4930 psi	ASTM D790
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	0.320 - 0.480 J/cm	0.599 - 0.899 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1000 - 1.00e+6 ohm-cm	1000 - 1.00e+6 ohm-cm	ASTM D257
Surface Resistance	1000 - 1.00e+6 ohm	1000 - 1.00e+6 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	221 - 249 °C	430 - 480 °F	Stock
Mold Temperature	82.0 - 93.0 °C	180 - 199 °F	
Drying Temperature	82.0 - 93.0 °C	180 - 199 °F	

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