

## PolyOne Stat-Tech™ AS-10CP/000 Acrylonitrile Butadiene Styrene (ABS) (discontinued \*\*)

Category : Polymer , Thermoplastic , ABS Polymer

### Material Notes:

Description/Features:AntistaticConductive Carbon Powder FilledInformation provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Stat-Tech-AS-10CP000-Acrylonitrile-Butadiene-Styrene-ABS-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-AS-10CP000-Acrylonitrile-Butadiene-Styrene-ABS-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.095 g/cc	1.095 g/cc	Calculated
Water Absorption	0.15 % @Thickness 3.17 mm	0.15 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 MPa	4000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	2.76 GPa	400 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	44.8 MPa	6500 psi	ASTM D790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	0.800 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)	93.3 °C	200 °F	Annealed, 0.125 in bars; ASTM D648

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

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