

## PolyOne Stat-Tech™ AS-15NCF/000 ABS - 15% Nickel Coated Carbon Fiber (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-15NCF000-ABS-15-Nickel-Coated-Carbon-Fiber-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-AS-15NCF000-ABS-15-Nickel-Coated-Carbon-Fiber-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Water Absorption	0.12 % @Thickness 3.17 mm	0.12 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	68.9 MPa	10000 psi	Type 1 - Rigids, Yield, 0.2 in/min; ASTM D638
Elongation at Break	1.0 - 3.0 %	1.0 - 3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	5.86 GPa	850 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	100 MPa	14500 psi	ASTM D790
Flexural Modulus	5.86 GPa	850 ksi	ASTM D790
Izod Impact, Notched	0.908 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.70 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 0.46 MPa (66 psi)	113 °C	235 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	98.9 °C	210 °F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.0 - 10 ohm-cm	1.0 - 10 ohm-cm	ASTM D257
Surface Resistivity per Square	1.0 - 10 ohm	1.0 - 10 ohm	ASTM D257

Shielding Effectiveness Electrical Properties	50 - 70 dB Metric	50 - 70 dB English	1,000 MHz: PolyOne Internal Comments
Processing Properties	Metric	English	Comments
Melt Temperature	204 - 232 °C	400 - 450 °F	Molding

## Contact Songhan Plastic Technology Co.,Ltd.

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