

## PolyOne Stat-Tech™ ES-06CF-09GF/000 Polyethersulfone, Glass/Carbon Fiber Filled (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

### Material Notes:

Description/Features:Glass/Carbon Fiber ReinforcedInformation provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Stat-Tech-ES-06CF-09GF000-Polyethersulfone-GlassCarbon-Fiber-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-ES-06CF-09GF000-Polyethersulfone-GlassCarbon-Fiber-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792
Water Absorption	0.38 % @Thickness 0.508 mm	0.38 % @Thickness 0.0200 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	131 MPa	19000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Yield	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	207 MPa	30000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.20 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)	213 °C	415 °F	Unannealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1e+05 - 5.00e+7 ohm-cm	1e+05 - 5.00e+7 ohm-cm	ASTM D257
Surface Resistivity per Square	10000 - 500000 ohm	10000 - 500000 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	354 - 382 °C	670 - 720 °F	Molding

Processing Properties	Metric 21 °C	English 10 °F	Comments
Drying Temperature	135 - 149 °C	275 - 300 °F	
Dry Time	4 hour	4 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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