

## PolyOne Edgetek® RA-10GF-10CF/000 HI Polyphenylsulfone (PPSU)

Category : Polymer , Thermoplastic , Polyphenylsulfone (PPSU)

### Material Notes:

Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-RA-10GF-10CF000-HI-Polyphenylsulfone-PPSU.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-RA-10GF-10CF000-HI-Polyphenylsulfone-PPSU.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0015 cm/cm	0.0010 - 0.0015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	121 MPa	17500 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	190 MPa	27600 psi	ASTM D790
Flexural Modulus	6.89 GPa	999 ksi	ASTM D790
Izod Impact, Notched	1.10 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.06 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	213 °C @Thickness 3.18 mm	415 °F @Thickness 0.125 in	Annealed; ASTM D648
Flammability, UL94	V-0	V-0	UL 94

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+6 ohm	1.00e+6 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	360 - 393 °C	680 - 739 °F	
Mold Temperature	121 - 163 °C	250 - 325 °F	
Drying Temperature	149 °C	300 °F	
Dry Time	2.00 hour	2.00 hour	

Descriptive Properties	Value	Comments
Filler / Reinforcement	GlassCarbon Fiber Reinforcement	
Forms	Pellets	
Generic Material	PPSU	
Generic Name	Polyphenylsulfone (PPSU)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

## Contact Songhan Plastic Technology Co.,Ltd.

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