

## PolyOne Edgetek® RA-30CF/000 Polyarylsulfone, Carbon Fiber Reinforced (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyarylsulfone (PAS)

### Material Notes:

Carbon Fiber Reinforced PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-RA-30CF000-Polyarylsulfone-Carbon-Fiber-Reinforced-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-RA-30CF000-Polyarylsulfone-Carbon-Fiber-Reinforced-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ASTM D792
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	193 MPa	28000 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	12.4 GPa	1800 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Izod Impact, Notched	1.07 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.00 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	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	10 - 100 ohm	10 - 100 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	343 - 382 °C	650 - 720 °F	Molding
Mold Temperature	93.3 - 149 °C	200 - 300 °F	
Drying Temperature	149 °C	300 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

**Contact Songhan Plastic Technology Co.,Ltd.**

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