

PolyOne Edgetek® PI-20CF/000 Polyetherimide (PEI), Carbon Fiber Reinforced (discontinued **)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Description/Features: 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-PI-20CF000-Polyetherimide-PEI-Carbon-Fiber-Reinforced-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792
Water Absorption	0.12 %	0.12 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0025 cm/cm	0.0020 - 0.0025 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	172 MPa	25000 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
Flexural Strength	259 MPa	37500 psi	ASTM D790
Flexural Modulus	12.4 GPa	1800 ksi	ASTM D790
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 0.46 MPa (66 psi)	218 °C	425 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 - 10000 ohm-cm	100 - 10000 ohm-cm	ASTM D257
Surface Resistivity per Square	100 - 10000 ohm	100 - 10000 ohm	ASTM D257

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Processing Properties	Metric ⁸⁸ °C	English ¹⁰ °F	Comments
Mold Temperature	135 - 149 °C	275 - 300 °F	
Drying Temperature	135 - 149 °C	275 - 300 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China