

PolyOne Edgetek® PK-20GF/000 Polyetheretherketone (PEEK), Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

Description/Features: Glass Fiber Reinforced UL 94 (CTI Testing) PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PK-20GF000-Polyetheretherketone-PEEK-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ASTM D792
Water Absorption	0.15 %	0.15 %	24 hr. Immersion, -; ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	102	102	ASTM D785
Tensile Strength, Yield	145 MPa	21000 psi	Type 1 - Rigids, Break, 0.2 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	8.27 GPa	1200 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	221 MPa	32000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	0.854 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.60 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	23.9 µm/m-°C @Temperature 20.0 °C	13.3 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	285 °C	545 °F	Annealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	382 - 393 °C	720 - 740 °F	Molding
Mold Temperature	149 °C	300 °F	

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

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