

PolyOne Edgetek® ES-10GF/000 PES (Polyethersulfone), 10% Glass Reinforced, Hi-Temp (discontinued **)

Category : Polymer , Thermoplastic , Polyethersulfone (PES) , Polyethersulfone (PES), 10%Glass Fiber Filled

Material Notes:

Information provided by PolyOne™ Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-ES-10GF000-PES-Polyethersulfone-10-Glass-Reinforced-Hi-Temp-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792
Water Absorption	0.40 % @Thickness 3.17 mm	0.40 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0050 cm/cm	0.0040 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	103 MPa	15000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	4.0 - 5.0 %	4.0 - 5.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	4.83 GPa	700 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	4.14 GPa	600 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm	1.40 ft-lb/in	Method A, Injection Molded, 0.125 in bars, 73°F; ASTM D648

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	204 °C	400 °F	Unannealed, 0.125 in bars; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	354 - 371 °C	670 - 700 °F	Molding

Descriptive Properties	Value	Comments
Processing Method	Injection Molding	

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