

PolyOne Edgetek® PC-15CF-15GF/000 Polycarbonate (PC)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PC-15CF-15GF000-Polycarbonate-PC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Water Absorption	0.15 %	0.15 %	@ 24 hrs; ASTM D570
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	138 MPa	20000 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	12.4 GPa	1800 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	172 MPa	24900 psi	ASTM D790
Flexural Modulus	12.4 GPa	1800 ksi	ASTM D790
Izod Impact, Notched	1.30 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.44 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 ohm-cm - 1e+05	100 ohm-cm - 1e+05	ASTM D257
Surface Resistance	100 ohm - 1e+05	100 ohm - 1e+05	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	293 - 327 °C	559 - 621 °F	
Mold Temperature	121 °C	250 °F	
Drying Temperature	127 °C	261 °F	
Dry Time	2.00 hour	2.00 hour	

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

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