

PolyOne Edgetek® UR-20CF/000 Thermoplastic Elastomer - TPU, Carbon Fiber Reinforced (discontinued **)

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP

Material Notes:

Description/Features:Carbon Fiber ReinforcedPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-UR-20CF000-Thermoplastic-Elastomer-TPU-Carbon-Fiber-Reinforced-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0030 - 0.0035 cm/cm	0.0030 - 0.0035 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	55.2 MPa	8000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Yield	5.0 %	5.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	3.45 GPa	500 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	55.2 MPa	8000 psi	ASTM D790
Flexural Modulus	3.45 GPa	500 ksi	ASTM D790
Izod Impact, Notched	8.54 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	16.0 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 ohm-cm - 1e+05	1000 ohm-cm - 1e+05	ASTM D257
Surface Resistivity per Square	1000 ohm - 1e+05	1000 ohm - 1e+05	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	216 - 238 °C	420 - 460 °F	Molding
Mold Temperature	15.6 - 37.8 °C	60.0 - 100 °F	
Drying Temperature	93.3 - 110 °C	200 - 230 °F	

Dry Time Processing Properties	2 hour Metric	2 hour 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