

## PolyOne Edgetek® UR-20GF/000 Thermoplastic Elastomer - TPU, Glass Filled (discontinued \*\*)

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

### Material Notes:

Description/Features: Glass Fiber Reinforced UL 94 HB PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-UR-20GF000-Thermoplastic-Elastomer-TPU-Glass-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-UR-20GF000-Thermoplastic-Elastomer-TPU-Glass-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D792
Water Absorption	0.25 %	0.25 %	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, Ultimate	46.9 MPa	6800 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	15 %	15 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	1.24 GPa	180 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	41.4 MPa	6000 psi	ASTM D790
Flexural Modulus	1.03 GPa	150 ksi	ASTM D790
Izod Impact, Notched	5.34 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	10.0 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)	98.9 °C	210 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	73.9 °C	165 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 216 °C	380 - 420 °F	Molding

Processing Properties	Metric <b>17.8 °C</b>	English <b>60 °F</b>	Comments
Drying Temperature	82.2 °C	180 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	
Rockwell Hardness	65 D	ASTM D785

## Contact Songhan Plastic Technology Co.,Ltd.

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