

PolyOne Edgetek® PP-20GF/000 HS Polypropylene, Unspecified (PP, Unspecified)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PP-20GF000-HS-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Water Absorption	0.010 %	0.010 %	@ 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	49	49	ASTM D785
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength at Break	48.3 MPa	7010 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	4.00 GPa	580 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	4.00 GPa	580 ksi	ASTM D790
Compressive Strength	53.1 MPa	7700 psi	ASTM D695
Izod Impact, Notched	0.690 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.29 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	43.0 µm/m-°C	23.9 µin/in-°F	ASTM D696
Thermal Conductivity	0.320 W/m-K	2.22 BTU-in/hr-ft²-°F	ASTM C177
Deflection Temperature at 0.46 MPa (66 psi)	149 °C @Thickness 3.18 mm	300 °F @Thickness 0.125 in	Annealed; ASTM D648
Deflection Temperature at 1.8 MPa	138 °C	280 °F	Annealed; ASTM D648

(264 psi) Thermal Properties	@Thickness 3.18 mm Metric	@Thickness 0.125 in English	Comments
Flammability, UL94	HB	HB	UL 94

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	216 - 238 °C	421 - 460 °F	
Mold Temperature	26.7 - 48.9 °C	80.1 - 120 °F	

Descriptive Properties	Value	Comments
Additive	Heat Stabilizer	
Features	Heat Stabilized	
Filler / Reinforcement	Glass Fiber Reinforcement	
Forms	Pellets	
Generic Material	PP, Unspecified	
Generic Name	Polypropylene, Unspecified (PP, Unspecified)	
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