

Eurotec® Tecolen® HP10 GR20 NL PPCP, 20% glass fiber reinforced, natural

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Glass Fiber Filler

Material Notes:

Information provided by Eurotec®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurotec-Tecolen-HP10-GR20-NL-PPCP-20-glass-fiber-reinforced-natural.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	ISO 527
Elongation at Break	4.0 %	4.0 %	ISO 527
Tensile Modulus	5.00 GPa	725 ksi	ISO 527
Izod Impact, Notched (ISO)	10.0 kJ/m ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	165 - 170 °C	329 - 338 °F	[10 K/min], ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °F	ISO 75
Flammability, UL94	HB @Thickness 0.750 mm	HB @Thickness 0.0295 in	
	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093

Processing Properties	Metric	English	Comments
Processing Temperature	200 - 240 °C	392 - 464 °F	
Feed Temperature	<= 60.0 °C	<= 140 °F	Throat
Mold Temperature			

Processing Properties	20.0 - 50.0 °C Metric	68.0 - 122 °F English	Comments
Hold Pressure	40.0 - 80.0 MPa	5800 - 11600 psi	

Descriptive Properties	Value	Comments
Back Pressure	Low	
Injection Speed	Medium - Fast	

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