

Eurotec® Tecolen® CP20 GB30 NL PPCP, 30% glass bead reinforced, natural

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Glass Bead Filled

Material Notes:

Information provided by Eurotec®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurotec-Tecolen-CP20-GB30-NL-PPCP-30-glass-bead-reinforced-natural.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	ISO 527
Elongation at Break	>= 50 %	>= 50 %	ISO 527
Tensile Modulus	1.50 GPa	218 ksi	ISO 527
Izod Impact, Notched (ISO)	4.00 kJ/m²	1.90 ft-lb/in²	ISO 180/1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	6.00 kJ/m²	2.86 ft-lb/in²	ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	160 - 165 °C	320 - 329 °F	[10 K/min], ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ISO 75
Flammability, UL94	HB	HB	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	HB	HB	
	@Thickness 1.60 mm	@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	

Processing Properties	Metric	English	Comments
Feed Temperature	40-60.0 °C	104-140 °F	Typical
Mold Temperature	20.0 - 50.0 °C	68.0 - 122 °F	
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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