

Eurotec® Tecolen® CP20 MF20 NL XA70 PPCP, 20% mineral filled, flame retardant - halogen (RoHS compliant), heat stabilized, natural

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant , Polypropylene, Mineral Reinforced

Material Notes:

Information provided by Eurotec®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurotec-Tecolen-CP20-MF20-NL-XA70-PPCP-20-mineral-filled-flame-retardant-halogen-RoHS-compliant-heat-stabilized-natural.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	ISO 527
Elongation at Break	10 %	10 %	ISO 527
Tensile Modulus	3.50 GPa	508 ksi	ISO 527
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	ISO 180/1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	15.0 kJ/m ²	7.14 ft-lb/in ²	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	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	725 °C	1340 °F	GWIT; IEC 60695
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	960 °C	1760 °F	GWF1; IEC 60695
	@Thickness 2.00 mm	@Thickness 0.0787 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	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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