

Eurotec® Tecolen® CP20 BK EC PPCP, conductive, black

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Information provided by Eurotec®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurotec-Tecolen-CP20-BK-EC-PPCP-conductive-black.php

Physical Properties	Metric	English	Comments
Density	0.990 g/cc	0.0358 lb/in³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	ISO 527
Tensile Modulus	1.25 GPa	181 ksi	ISO 527
Izod Impact, Notched (ISO)	60.0 kJ/m² @Temperature 23.0 °C	28.6 ft-lb/in² @Temperature 73.4 °F	ISO 180/1A

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)	50.0 °C	122 °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	<= 100 ohm-cm	<= 100 ohm-cm	IEC 60093
Surface Resistance	<= 100 ohm	<= 100 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			

Processing Properties	40.0 - 80.0 MPa Metric	5800 - 11600 psi English	Comments
Descriptive Properties	Value		Comments
Back Pressure	Low		
Injection Speed	Medium - Fast		

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