

Tecolen® CP20 BK EC

Polypropylene Copolymer
Eurotec Engineering Plastics

Message:

PPCP, conductive, black

General Information			
Features	Conductive		
	Copolymer		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP		
Physical	Nominal Value	Unit	Test Method
Density	0.990	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1250	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	25.0	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	60	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	50.0	°C	ISO 75-2/A
Melting Temperature ¹	160 to 165	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+2	ohms	IEC 60093
Volume Resistivity	< 1.0E+2	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.60 mm	HB		
Injection	Nominal Value	Unit	
Hopper Temperature	< 60.0	°C	
Processing (Melt) Temp	200 to 240	°C	
Mold Temperature	20.0 to 50.0	°C	
Injection Rate	Slow-Moderate		
Holding Pressure	40.0 to 80.0	MPa	
Back Pressure	Low		

NOTE

1. 10 K/min

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