

Tecolen® CP20 GR20 NL XC30

Polypropylene Copolymer
Eurotec Engineering Plastics

Message:
PPCP, 20% glass fiber reinforced, flame retardant - halogen (RoHS compliant), heat stabilized, natural

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Copolymer		
	Flame Retardant		
	Heat Stabilized		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP GF20 FR(15)		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	50.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	25	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°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+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-2		
1.60 mm	V-2		
Glow Wire Flammability Index (2.00 mm)	850	°C	IEC 60695-2-12

Glow Wire Ignition Temperature (2.00 mm)	800	°C	IEC 60695-2-13
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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