

4PROP® 9C12420

Polypropylene Copolymer
4Plas

Message:

4PROP 9C12420 is a MFI 5 20% Chemically Coupled Glass Fibre Copolymer Polypropylene

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Copolymer		
	Chemical coupling		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4250	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	7.00	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	10	kJ/m ²	ISO 180/1A
23°C	20	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	140	°C	ISO 75-2/B
Vicat Softening Temperature	170	°C	ISO 306/B
Melting Temperature ²	165	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Ignition Temperature (2.00 mm)	750	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	20.0 - 50.0	°C	

Injection Rate	Moderate	
Holding Pressure	40.0 - 80.0	MPa
Screw Speed	200	rpm

Injection instructions

Feed Throat Temperature: 20 - 60 °C Back Pressure: Low

NOTE

1.	24 Hrs
2.	10 K/min

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Recommended distributors for this material

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