

4PROP® 9C11270

Polypropylene Copolymer
4Plas

Message:

4PROP 9C11270 is a MFI 5 70% Barium Sulphate Filled Copolymer Polypropylene

General Information			
Filler / Reinforcement	Barium sulfate		
Features	Copolymer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	2.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Moisture Content	< 1000	ppm	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3500	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	18.0	MPa	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	12	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Melting Temperature ¹	165	°C	ISO 11357
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
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 °CBack Pressure: Low			
NOTE			
1.	10 K/min		

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