

4PROP® 5C51108

Polypropylene Copolymer
4Plas

Message:

4PROP 5C51108 is a MFI 45 08% Talc Filled Copolymer Polypropylene

General Information			
Filler / Reinforcement	Talc filler, 8.0% filler by weight		
Features	Copolymer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.965	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	40	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	15.5	MPa	ISO 527-2/5
Flexural Modulus ¹ (23°C)	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	94.0	°C	ISO 75-2/B
Melting Temperature ²	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.	2.0 mm/min		
2.	10 K/min		

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