

4PROP® 25D11120

Polypropylene Homopolymer
4Plas

Message:

4PROP 25D11120 is a MFI 10 20% Talc Filled Homopolymer Polypropylene

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Homopolymer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage - Across Flow	0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	35.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	36	kJ/m ²	ISO 179/B
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	125	°C	ISO 75-2/B
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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