

4PROP® 5C11130

Polypropylene Copolymer
4Plas

Message:

4PROP 5C11130 is a MFI 8 to 12 30% Talc Filled Copolymer Polypropylene

General Information			
Filler / Reinforcement	Talc filler, 30% filler by weight		
Features	Copolymer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0 - 12	g/10 min	ISO 1133
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.050	%	ISO 62
Moisture Content	< 1000	ppm	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2800	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	25.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	15	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	4.0	kJ/m ²	ISO 180/1A
23°C	8.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	108	°C	ISO 75-2/B
Vicat Softening Temperature	68.0	°C	ISO 306/B
Melting Temperature ²	165	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature (2.00 mm)	650	°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

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| 1. | 24 Hrs |
| 2. | 10 K/min |

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