

INNOPOL® PP CS 3-9120 SR5

Polypropylene

Inno-Comp Ltd.

Message:

INNOPOL® CS 3-9120 SR5 is a 17% talc-filled compound based on blend of polypropylene block-copolymer and homopolymer. This grade is available in nature and custom coloured form.

General Information			
Filler / Reinforcement	Talc filler, 17% filler by weight		
Uses	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-H/PP-B TD 17		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ISO 527-2/1
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus ¹	2200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.2	kJ/m ²	ISO 179/1eA
23°C	4.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	108	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.070	%	
Rear Temperature	190 - 240	°C	
Middle Temperature	190 - 240	°C	
Front Temperature	190 - 240	°C	
Processing (Melt) Temp	210 - 250	°C	
Mold Temperature	10.0 - 50.0	°C	
Injection Rate	Moderate		

Injection instructions

Hold Pressure: 30 to 100% of injection pressure

NOTE

1. 2.0 mm/min

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