

INNOPOL® PP CS 1-3120 MA

Polypropylene Homopolymer

Inno-Comp Ltd.

Message:

INNOPOL CS 1-3120 MA is a 20 % talcum filled compound based on polypropylene homopolymer. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL® CS 1-3120 MA is developed to produce injection moulded automotive components for under-the-hood application.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Homopolymer		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-H TD20		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.0	%	ISO 527-2/50
Flexural Modulus ¹	2700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	1.5	kJ/m ²	ISO 179/1eA
23°C	2.8	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	126	°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 - 250	°C	
Middle Temperature	190 - 250	°C	

Front Temperature	190 - 250	°C
Processing (Melt) Temp	210 - 260	°C
Mold Temperature	20.0 - 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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Recommended distributors for this material

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