

INNOPOL® PP CS 2-3120 EX

Polypropylene Impact Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-3120 EX is a 20% talcum filled compound based on polypropylene block- copolymer. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL® CS 2-3120 EX is developed for producing injection moulded automotive components for exterior application.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Block Copolymer		
Uses	Application in Automobile Field		
	Automotive exterior parts		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP/PE TD 20		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.04	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	11.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.5	%	ISO 527-2/50
Nominal Tensile Strain at Break	15	%	ISO 527-2
Flexural Modulus ¹	2600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	1.5	kJ/m ²	ISO 179/1eA
23°C	4.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	120	°C	ISO 75-2/B
1.8 MPa, not annealed	60.0	°C	ISO 75-2/A
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	20.0 - 50.0	°C
Injection Rate	Moderate	
Injection instructions		
Hold pressure: as low as possible - to avoid sink marks		
NOTE		

1. 2.0 mm/min

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