

INNOPOL® PP CS 2-2523 EP

Polypropylene Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-2523 EP is a 16% talc-filled, elastomer modified compound based on polypropylene block-copolymer. This grade is available in nature and custom coloured form.

General Information			
Filler / Reinforcement	Talc filler, 16% filler by weight		
Features	Block Copolymer		
Uses	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP/PE TD16		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.01	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2/1
Tensile Stress (Yield)	21.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.0	%	ISO 527-2/50
Flexural Modulus ¹	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	6.0	kJ/m ²	ISO 179/1eA
23°C	25	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	103	°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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