

INNOPOL® PP CS 2-2513 MF

Polypropylene Impact Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-2513 MF is a mineral, micro-fibre filled, elastomer modified compound based on polypropylene block-copolymer. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL® CS 2-2513 MF is developed for producing injection moulded automotive interior components where the required properties are good stiffness and impact resistance besides excellent scratch resistance at a lower density.

General Information			
Filler / Reinforcement	Mineral filler		
Features	Block Copolymer		
	Low density		
	Rigid, good		
	Impact resistance, good		
	Scratch resistance		
Uses	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	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	1800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	3.5	kJ/m ²	ISO 179/1eA
23°C	22	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	40	kJ/m ²	ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, not annealed	102	°C	ISO 75-2/B
1.8 MPa, not annealed	53.0	°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 - 230	°C	
Middle Temperature	190 - 230	°C	
Front Temperature	190 - 230	°C	
Processing (Melt) Temp	210 - 240	°C	
Mold Temperature	10.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Hold pressure: 30 to 100 % of actual injection pressure			
NOTE			
1.	2.0 mm/min		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

