

INNOPOL® PP CS 2-3516 MO

Polypropylene Impact Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-3516 MO is a 10% talc-filled, elastomer modified compound based on polypropylene block-copolymer. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL® CS 2-3516 MO is developed for producing injection moulded automotive components.

General Information			
Filler / Reinforcement	Talc filler, 10% filler by weight		
Features	Block Copolymer		
Uses	Application in Automobile Field		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP/PE TD 10		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	820	MPa	ISO 527-2/1
Tensile Stress (Yield)	13.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 200	%	ISO 527-2
Flexural Modulus ¹	800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	35	kJ/m ²	ISO 179/1eA
23°C	70	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	72.0	°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 - 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 - 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

