

INNOPOL® PP CS 2-3522 TO BU

Polypropylene Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-3522 TO BU is a 20% talc-filled, elastomer modified, UV-stabilized compound based on polypropylene block-copolymer. INNOPOL® CS 2-3522 TO BU is developed for producing injection moulded automotive components.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Additive	UV stabilizer		
Features	Block Copolymer		
	Good UV resistance		
Uses	Application in Automobile Field		
Appearance	Black		
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 Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	25		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2/1
Tensile Stress (Yield)	16.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.7	%	ISO 527-2
Flexural Modulus ¹	1450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	16	kJ/m ²	ISO 179/1eA
23°C	60	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°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)	108	°C	ISO 75-2/B
Vicat Softening Temperature	123	°C	ISO 306/A
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	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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