

INNOPOL® PP CS 2-9524

Polypropylene Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-9524 is a 20% talc-filled, elastomer modified compound based on polypropylene block-copolymer. This grade is available in nature and custom coloured form.

INNOPOL® CS 2-9524 is developed for producing injection moulded automotive components.

General Information			
Filler / Reinforcement	Talc filler, 20% 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 20		
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)	30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1570	MPa	ISO 527-2/1
Tensile Stress (Yield)	17.5	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.6	%	ISO 527-2/50
Nominal Tensile Strain at Break	44	%	ISO 527-2
Flexural Modulus ¹	1600	MPa	ISO 178
Flexural Stress ²	24.6	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.5	kJ/m ²	ISO 179/1eA
23°C	22	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	89.5	°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 actual injection pressure

NOTE

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|----|------------|
| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |

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