INNOPOL® PP CS 2-2120

Polypropylene Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-2120 is a 20% talc-filled compound based on polypropylene block-copolymer. This grade is available in nature and custom coloured form.
INNOPOL® CS 2-2120 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)	1.04	g/cm³	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	2700	MPa	ISO 527-2/1
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.5	%	ISO 527-2/50
Nominal Tensile Strain at Break	13	%	ISO 527-2
Flexural Modulus [1]	2800	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.5	kJ/m²	ISO 179/1eA
23°C	4.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	128	°C	ISO 75-2/B
1.8 MPa, not annealed	67.0	°C	ISO 75-2/A
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.60 mm)	HB		FMVSS 302
Additional Information	**Nominal Value**		**Test Method**
Automotive Materials (> 1.00 mm)	+		FMVSS 302

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	
1.	2.0 mm/min

Recommended distributors for this material

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