

INNOPOL® PP CS 2-4120

Polypropylene Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-4120 is a 20% talc-filled compound based on polypropylene block-copolymer. This grade is available in nature and custom coloured form as well.

INNOPOL® CS 2-4120 is developed for producing injection moulded components.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Block Copolymer		
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/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2/1
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.5	%	ISO 527-2/50
Flexural Modulus ¹	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.5	kJ/m ²	ISO 179/1eA
23°C	7.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	115	°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 - 250	°C	
Middle Temperature	190 - 250	°C	
Front Temperature	190 - 250	°C	
Processing (Melt) Temp	210 - 260	°C	

Mold Temperature	20.0 - 50.0	°C
Injection Rate	Moderate	
Injection instructions		
Hold pressure: as low as possible - to avoid sink marks		
NOTE		
1.	2.0 mm/min	

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Recommended distributors for this material

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

