

INNOPOL® PP CS 2-4210

Polypropylene Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-4210 is a 10% chalk-filled compound based on polypropylene block-copolymer. This grade is available in nature and custom coloured form.

INNOPOL® CS 2-4210 is developed for producing injection moulded components.

General Information			
Filler / Reinforcement	Chalk filler, 10% filler by weight		
Features	Block Copolymer		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP/PE KD 10		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.970	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1350	MPa	ISO 527-2/1
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.5	%	ISO 527-2/50
Flexural Modulus ¹	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.0	kJ/m ²	ISO 179/1eA
23°C	9.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	100	°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: 30 to 100 % of actual injection pressure		
NOTE		
1.	2.0 mm/min	

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Recommended distributors for this material

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