

INNOPOL® PP CS 1-2130

Polypropylene Homopolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 1-2130 is a 30 % talc-filled polypropylene homopolymer compound. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL® CS 1-2130 is recommended especially for producing parts, where high stiffness, low shrinkage, good heat-stability and excellent processability are required.

General Information			
Filler / Reinforcement	Talc filler, 30% filler by weight		
Features	Rigidity, high		
	Homopolymer		
	Workability, good		
	Thermal stability, good		
	Low shrinkage		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-H TD30		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2/1
Tensile Stress (Yield)	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.6	%	ISO 527-2/50
Flexural Modulus ¹	3400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.4	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	22	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	124	°C	ISO 75-2/B
Vicat Softening Temperature	153	°C	ISO 306/A120
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	

Suggested Max Moisture	0.070	%
Rear Temperature	190 - 230	°C
Middle Temperature	190 - 230	°C
Front Temperature	190 - 230	°C
Processing (Melt) Temp	230 - 240	°C
Mold Temperature	10.0 - 50.0	°C
Injection Rate	Moderate-Fast	

Injection instructions

Hold pressure: 30 to 100 % of actual injection pressure

NOTE

1. 2.0 mm/min

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