

INNOPOL® PP CS 1-2110 AB

Polypropylene Homopolymer

Inno-Comp Ltd.

Message:

INNOPOL CS 1-2110 AB is a 10 % talc filled compound based on polypropylene homo-polymer. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL® CS 1-2110 AB is developed to produce injection moulded components for sanitary wares, where one of the requirements is the antibacterial effect.

General Information			
Filler / Reinforcement	Talc filler, 10% filler by weight		
Features	Homopolymer		
Uses	Bathroom products		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-H TD10		
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)	16	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ISO 527-2/1
Tensile Stress (Yield)	33.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	6.0	%	ISO 527-2/50
Flexural Modulus ¹	2200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	1.5	kJ/m ²	ISO 179/1eA
23°C	3.0	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 - 230	°C	
Middle Temperature	190 - 230	°C	

Front Temperature	190 - 230	°C
Processing (Melt) Temp	210 - 240	°C
Mold Temperature	20.0 - 50.0	°C
Injection Rate	Moderate	

Injection instructions

Hold pressure: 30 to 100 % of actual injection pressure

NOTE

- 2.0 mm/min

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Recommended distributors for this material

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