

INNOPOL® PP CS 1-1240

Polypropylene Homopolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 1-1240 is a 42 % chalk -filled polypropylene homopolymer compound /PP-H KD42 (ISO 1043)/.

INNOPOL® CS 1-1240 is developed for producing injection moulded components for household equipments.

General Information			
Filler / Reinforcement	Chalk filler, 42% filler by weight		
Features	Homopolymer		
Uses	Household goods		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-H KD42		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.24	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ISO 1133
Ash Content (900°C)	24	%	ISO 3451-1A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ISO 527-2/1
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus ¹	3250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.0	kJ/m ²	ISO 179/1eA
23°C	3.7	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	119	°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	230 - 260	°C
Mold Temperature	10.0 - 50.0	°C
Injection Rate	Moderate-Fast	
Injection instructions		
Hold pressure: 30 to 80 % of actual injection pressure		
NOTE		
1.	2.0 mm/min	

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