

INNOPOL® PP CS 3-9230 KAR

Polypropylene Alloy

Inno-Comp Ltd.

Message:

INNOPOL® CS 3-9230 KAR is a 26% mineral filled compound based on a blend of polypropylene homopolymer and block-copolymer. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL® CS 3-9230 KAR is developed for producing injection moulded components for household appliances.

General Information			
Filler / Reinforcement	Mineral filler, 26% filler by weight		
Features	Block Copolymer		
	Homopolymer		
Uses	Electrical appliances		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-H/PP-B KD 26		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1950	MPa	ISO 527-2/1
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.0	%	ISO 527-2/50
Flexural Modulus ¹	2000	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	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179
-20°C	13	kJ/m ²	ISO 179
23°C	58	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	108	°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 - 240	°C
Middle Temperature	190 - 240	°C
Front Temperature	190 - 240	°C
Processing (Melt) Temp	210 - 250	°C
Mold Temperature	10.0 - 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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