

INNOPOL® PP CS 2-4630 FR

Polypropylene Impact Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-4630 FR is a flame retarded polypropylene block-copolymer compound. This grade is available in nature and custom coloured form. INNOPOL® CS 2-4630 FR is recommended for producing injection moulded products, where the required properties are excellent flame retardancy (V0) besides balanced physical properties.

General Information			
Features	Block Copolymer		
	Flame retardancy		
Appearance	Grey		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-B FR		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.950	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2/2
Tensile Stress (Yield)	23.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.0	%	ISO 527-2/50
Flexural Modulus ¹	1450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	3.5	kJ/m ²	ISO 179/1eA
23°C	5.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		FMVSS 302
Combustibility-Automotive materials (thickness d>1mm)	+		FMVSS 302
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	10.0 - 50.0	°C
Injection Rate	Moderate	

Injection instructions

Hold pressure: 50 to 100 % of actual injection pressure

NOTE

1. 2.0 mm/min

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