

INNOPOL® PP CS 1-5830 MA

Polypropylene Homopolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 1-5830 MA is a 30 % glass-fibre filled, chemically coupled polypropylene homopolymer compound. This grade is available in nature and black coloured form.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Rigidity, high		
	Chemical coupling		
	Homopolymer		
	Thermal stability, good		
Appearance	Black		
	Natural color		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-H GF30		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500	MPa	ISO 527-2/2
Tensile Stress (Yield)	90.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	2.5	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	8.0	kJ/m ²	ISO 179/1eA
23°C	10	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	160	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Additional Information	Nominal Value		Test Method
Automotive Materials (> 1.00 mm)	+		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 injection pressure

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Recommended distributors for this material

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