

INNOPOL® PP CS 1-8960

Polypropylene Homopolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 1-8960 is a 60% barium-sulphate filled compound based on polypropylene homopolymer. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL® CS 1-8960 is developed for extrusion of pipes, sheets and different profiles.

General Information			
Filler / Reinforcement	Barium Sulfate,60% Filler by Weight		
Features	Homopolymer		
Uses	Piping		
	Profiles		
	Sheet		
Appearance	Colors Available		
	Natural Color		
Processing Method	Extrusion		
	Pipe Extrusion		
	Profile Extrusion		
	Sheet Extrusion		
Resin ID (ISO 1043)	PP-H BAS60		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.80	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ISO 527-2/1
Tensile Stress (Yield)	22.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	1.6	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.0	kJ/m²	
23°C	8.0	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	115	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	2.0	hr
Suggested Max Moisture	0.070	%
Cylinder Zone 1 Temp.	180 to 220	°C
Cylinder Zone 2 Temp.	180 to 220	°C
Cylinder Zone 3 Temp.	180 to 220	°C
Cylinder Zone 4 Temp.	180 to 220	°C
Cylinder Zone 5 Temp.	180 to 220	°C
Melt Temperature	200 to 230	°C
Die Temperature	190 to 220	°C

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Recommended distributors for this material

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