

INNOPOL® PP CS 2-8960

Polypropylene Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-8960 is a 60% Barium-sulfate filled compound based on polypropylene block-copolymer. This grade is available in nature and custom coloured form.

INNOPOL® CS 2-8960 is developed for extrusion of pipes, sheets and different profiles.

General Information			
Filler / Reinforcement	Barium Sulfate,60% Filler by Weight		
Features	Block Copolymer		
Uses	Piping		
	Profiles		
	Sheet		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
	Pipe Extrusion		
	Profile Extrusion		
	Sheet Extrusion		
Resin ID (ISO 1043)	PP/PE BAS60		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.80	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.90	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	0.600	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2/1
Tensile Stress (Yield)	19.0	MPa	ISO 527-2/50
Tensile Strain (Break)	1.6	%	ISO 527-2/50
Flexural Modulus ¹	2550	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.0	kJ/m ²	
23°C	13	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	110	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.70	%	
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	
NOTE			
1.	2.0 mm/min		

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