

INNOPOL® PP CS 1-8000

Polypropylene Homopolymer

Inno-Comp Ltd.

Message:

INNOPOL ® CS 1-8000 is a polypropylene homopolymer compound. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL ® CS 1-8000 is highly suitable for manufacturing indoor waste water discharge systems where the required properties are high strength, high stiffness and chemical resistance.

General Information			
Features	Good Chemical Resistance		
	High Stiffness		
	High Strength		
	Homopolymer		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Resin ID (ISO 1043)	PP-H		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2/1
Tensile Stress (Yield)	33.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	11	%	ISO 527-2/50
Flexural Modulus ¹	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	93.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	< 0.050	%	

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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