

INNOPOL® PP CS 2-8000

Polypropylene Copolymer

Inno-Comp Ltd.

Message:

INNOPOL ® CS 2-8000 is a polypropylene block-copolymer. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL ® CS 2-8000 is highly suitable for pipe manufacturing where the required property is high impact resistance besides good stiffness.

General Information			
Features	Block Copolymer		
	Rigid, good		
	Impact resistance, high		
Uses	Piping system		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Resin ID (ISO 1043)	PP-B		
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)	0.40	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2/1
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	5.2	kJ/m ²	ISO 179/1eA
23°C	65	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	87.0	°C	ISO 75-2/B
1.8 MPa, not annealed	48.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	150	°C	ISO 306/A120
--	79.0	°C	ISO 306/B120

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0	hr
Suggested Max Moisture	0.50	%
Rear Temperature	190 - 260	°C
Middle Temperature	190 - 260	°C
Front Temperature	190 - 260	°C
Processing (Melt) Temp	240 - 260	°C
Mold Temperature	15.0 - 50.0	°C
Injection Rate	Slow-Moderate	

Injection instructions

Hold pressure: 50 to 100 % of actual injection pressure

Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0	hr
Suggested Max Moisture	0.050	%
Cylinder Zone 1 Temp.	180 - 220	°C
Cylinder Zone 2 Temp.	180 - 220	°C
Cylinder Zone 3 Temp.	180 - 220	°C
Cylinder Zone 4 Temp.	180 - 220	°C
Cylinder Zone 5 Temp.	180 - 220	°C
Melt Temperature	200 - 230	°C
Die Temperature	190 - 220	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT