

INNOPOL® PP CS 3-8000 FR

Polypropylene

Inno-Comp Ltd.

Message:

INNOPOL® CS 3-8000 FR is a flame retarded polypropylene compound based on a specific blend of polypropylene homopolymer and copolymer. This grade is available in nature and custom coloured form.

General Information			
Additive	Flame retardancy		
Features	Flame retardancy		
Appearance	Available colors		
	Natural color		
Processing Method	Extrusion		
	Injection molding		
Resin ID (ISO 1043)	PP-H/PP-B		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.930	g/cm ³	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	1100	MPa	ISO 527-2/1
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	11	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.5	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)	90.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.050	%	
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	Moderate	
Injection instructions		
Hold Pressure: 50 to 100% of 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

