

INNOPOL® PP CS 1-6140

Polypropylene Homopolymer

Inno-Comp Ltd.

Message:

INNOPOL ® CS 1-6140 is a 40 % talc-filled polypropylene homopolymer compound/PP-H TD40 (ISO 1043)/. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL ® CS 1-6140 is developed for producing injection moulded components for household equipments. INNOPOL ® CS 1-6140 is high heat and wash-liquor stabilised.

General Information			
UL YellowCard	E316163-100085687		
Filler / Reinforcement	Talc filler, 40% filler by weight		
Additive	heat stabilizer		
Features	Homopolymer		
	Thermal Stability		
Uses	Household goods		
Appearance	Available colors		
	Natural color		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP-H TD40		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.22	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	2.20	cm ³ /10min	ISO 1133
Ash Content (600°C)	39	%	ISO 3451-1A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4100	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.2	%	ISO 527-2/50
Flexural Modulus ¹	4200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.2	kJ/m ²	ISO 179/1eA
23°C	3.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	139	°C	ISO 75-2/B

1.8 MPa, not annealed	81.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	157	°C	ISO 306/A120
--	95.0	°C	ISO 306/B120
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.070	%	
Rear Temperature	190 - 250	°C	
Middle Temperature	190 - 250	°C	
Front Temperature	190 - 250	°C	
Processing (Melt) Temp	230 - 260	°C	
Mold Temperature	10.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Hold Pressure: 50 to 100% of injection pressure			
NOTE			
1.	2.0 mm/min		

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

