

INNOPOL® PP CS 1-2140 LH

Polypropylene Homopolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 1-2140 BLH is a 40 % talc-filled polypropylene homopolymer compound /PP-H TD40 (ISO 1043)/. This grade is available in nature and custom coloured form.

INNOPOL® CS 1-2140 BLH is recommended especially for producing products, where high stiffness, low shrinkage, long term heat stability and excellent processability are required.

General Information			
Filler / Reinforcement	Talc filler, 40% filler by weight		
Features	Rigidity, high		
	Homopolymer		
	Workability, good		
	Good heat aging resistance		
	Low shrinkage		
Appearance	Available colors		
	Natural color		
Forms	Particle		
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 Volume-Flow Rate (MVR) (230°C/2.16 kg)	15.0	cm ³ /10min	ISO 1133
Ash Content (600°C)	37	%	ISO 3451-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000	MPa	ISO 527-2/1
Tensile Stress (Yield)	31.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.2	%	ISO 527-2/50
Nominal Tensile Strain at Break	6.5	%	ISO 527-2
Flexural Modulus ¹	4200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	1.5	kJ/m ²	ISO 179/1eA
23°C	2.2	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	11	kJ/m ²	ISO 179/1eU
23°C	25	kJ/m ²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	131	°C	ISO 75-2/B
1.8 MPa, not annealed	77.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	153	°C	ISO 306/A120
--	90.0	°C	ISO 306/B120
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	FMVSS 302	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.070	%	
Rear Temperature	190 - 240	°C	
Middle Temperature	190 - 240	°C	
Front Temperature	190 - 240	°C	
Processing (Melt) Temp	230 - 250	°C	
Mold Temperature	10.0 - 50.0	°C	
Injection Rate	Moderate-Fast		
Injection instructions			
Hold pressure: 30 - 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



WECHAT