

## Inno-Comp INNOPOLÂ® CS 1-2140 BLH 40% Talc-Filled Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Talc Filler

### Material Notes:

INNOPOLÂ® CS 1-2140 BLH is recommended especially for producing products, where high stiffness, low shrinkage, long term heat stability and excellent processability are required. All information provided by INNO-COMP.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Inno-Comp-INNOPOL-CS-1-2140-BLH-40-Talc-Filled-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-1-2140-BLH-40-Talc-Filled-Polypropylene-Homopolymer.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	ISO 1183
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Melt Flow	15 g/10 min	15 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	
Ash	37 %	37 %	ISO 3451-1/A
	@Temperature 600 Â°C	@Temperature 1110 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	6.5 %	6.5 %	ISO 527-1,-2
Elongation at Yield	3.2 %	3.2 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	4.00 GPa	580 ksi	1 mm/min; ISO 527-1,-2
Flexural Modulus	4.20 GPa	609 ksi	2 mm/min; ISO 178
Charpy Impact Unnotched	1.10 J/cm <sup>2</sup>	5.24 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
Charpy Impact, Notched	2.50 J/cm <sup>2</sup>	11.9 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.150 J/cm <sup>2</sup>	0.714 ft-lb/in <sup>2</sup>	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	0.220 J/cm <sup>2</sup>		

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 Â°C	1.05 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 17013eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	131 Â°C	268 Â°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	77.0 Â°C	171 Â°F	ISO 75-1,-2
Vicat Softening Point	90.0 Â°C	194 Â°F	B120; ISO 306
	153 Â°C	307 Â°F	A120; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	FMVSS 302

Descriptive Properties	Value	Comments
Color	Black	

## Contact Songhan Plastic Technology Co.,Ltd.

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