

Inno-Comp INNOPOLÂ® CS 1-5120 BLH 20% Talc-Filled Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

Material Notes:

INNOPOLÂ® CS 1-5120 BLH is a 20% talc-filled polypropylene homopolymer compound /PP-H TD20 (ISO 1043)/.INNOPOLÂ® CS 1-5120 BLH is recommended especially for producing products, where high stiffness and long term heat stability are required.All information provided by INNO-COMP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-1-5120-BLH-20-Talc-Filled-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc @Temperature 23.0 Â°C	0.0376 lb/inÂ³ @Temperature 73.4 Â°F	ISO 1183
Melt Flow	12 g/10 min @Load 5.00 kg, Temperature 230 Â°C	12 g/10 min @Load 11.0 lb, Temperature 446 Â°F	ISO 1133
Ash	20 % @Temperature 600 Â°C	20 % @Temperature 1110 Â°F	ISO 3451-1/A

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	35 %	35 %	ISO 527-1,-2
Elongation at Yield	5.5 %	5.5 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	2.50 GPa	363 ksi	1 mm/min; ISO 527-1,-2
Flexural Modulus	2.60 GPa	377 ksi	2 mm/min; ISO 178
Charpy Impact Unnotched	1.50 J/cmÂ² @Temperature -30.0 Â°C	7.14 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eU
	6.50 J/cmÂ² @Temperature 23.0 Â°C	30.9 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179/1eU
Charpy Impact, Notched	0.160 J/cmÂ² @Temperature -30.0 Â°C	0.761 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179/1eA

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	112 Å°C	234 Å°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	60.0 Å°C	140 Å°F	ISO 75-1,-2
Vicat Softening Point	90.0 Å°C	194 Å°F	B120; ISO 306
	153 Å°C	307 Å°F	A120; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	FMVSS 302

Descriptive Properties	Value	Comments
Color	Black	

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