

Inno-Comp INNOPOLÂ® CS 1-3120 B DEL 20% Talc Filled Polypropylene Homopolymer

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

Material Notes:

INNOPOLÂ® CS 1-3120 B DEL is developed for producing injection molded automotive components. All information provided by INNO-COMP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-1-3120-B-DEL-20-Talc-Filled-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/inÂ³	ISO 1183
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	Normal; ISO 294
Linear Mold Shrinkage, Flow	0.010 cm/cm	0.010 in/in	ISO 294
Melt Flow	8.0 g/10 min	8.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	
Ash	19 %	19 %	ISO 3451-1/A
	@Temperature 600 Â°C	@Temperature 1110 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.0 MPa	4930 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	23 %	23 %	ISO 527-1,-2
Elongation at Yield	5.0 %	5.0 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	2.46 GPa	357 ksi	1 mm/min; ISO 527-1,-2
Flexural Modulus	2.73 GPa	396 ksi	2 mm/min; ISO 178
Charpy Impact Unnotched	1.80 J/cmÂ²	8.57 ft-lb/inÂ²	ISO 179/1eU
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	4.60 J/cmÂ²	21.9 ft-lb/inÂ²	ISO 179/1eU
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	0.150 J/cmÂ²	0.714 ft-lb/inÂ²	

Charpy Impact, Notched Mechanical Properties	Metric @ Temperature -30.0 Â°C	English @ Temperature -22.0 Â°F	ISO 179/1eA Comments
	0.300 J/cmÂ²	1.43 ft-lb/inÂ²	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Melting Point	162 Â°C	324 Â°F	DSC; ISO 11357-1,-3
Deflection Temperature at 0.46 MPa (66 psi)	125 Â°C	257 Â°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	71.0 Â°C	160 Â°F	ISO 75-1,-2
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	FMVSS 302

Descriptive Properties	Value	Comments
Automotive Materials	Pass	FMVSS 302
Color	Black	

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