

Inno-Comp INNOPOLÂ® CS 1-3820 20% Glass-Fiber-Filled Polypropylene Homopolymer

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

Material Notes:

INNOPOLÂ® CS 1-3820 is a 20% glass-fiber-filled polypropylene homopolymer compound. This grade is available in natural and custom colored form. INNOPOLÂ® CS 1-3820 is recommended for producing injection molded products, where the required properties are high strength and stiffness. All information provided by INNO-COMP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-1-3820-20-Glass-Fiber-Filled-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc @Temperature 23.0 Â°C	0.0379 lb/inÂ³ @Temperature 73.4 Â°F	ISO 1183
Linear Mold Shrinkage	0.0060 - 0.014 cm/cm	0.0060 - 0.014 in/in	ISO 294-4:1997
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	8.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	50 mm/min; ISO 527-1,-2
Elongation at Yield	3.2 %	3.2 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	3.60 GPa	522 ksi	ISO 527-1,-2
Flexural Modulus	3.50 GPa	508 ksi	2 mm/min; ISO 178
Charpy Impact, Notched	0.330 J/cmÂ² @Temperature -20.0 Â°C	1.57 ft-lb/inÂ² @Temperature -4.00 Â°F	ISO 179/1eA
	0.400 J/cmÂ² @Temperature 23.0 Â°C	1.90 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	150 Â°C	302 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	Natural	

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