

Inno-Comp INNOPOLÂ® CS 1-5820 20% Glass-Fiber-Filled Polypropylene Homopolymer

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

Material Notes:

INNOPOLÂ® CS 1-5820 is a 20% glass-fiber-filled polypropylene homopolymer compound. This grade is available in natural and custom colored form. INNOPOLÂ® CS 1-5820 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-1-5820-20-Glass-Fiber-Filled-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/inÂ³	ISO 1183
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Linear Mold Shrinkage	0.0080 - 0.016 cm/cm	0.0080 - 0.016 in/in	ISO 294-4:1997
Melt Flow	3.0 g/10 min	3.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	70.0 MPa	10200 psi	50 mm/min; ISO 527-1,-2
Elongation at Yield	2.8 %	2.8 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	5.50 GPa	798 ksi	2 mm/min; ISO 527-1,-2
Flexural Modulus	5.30 GPa	769 ksi	2 mm/min; ISO 178
Charpy Impact, Notched	0.800 J/cmÂ²	3.81 ft-lb/inÂ²	ISO 179/1eA
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	154 Â°C	309 Â°F	ISO 75-1,-2
Flammability, UL94	HB	HB	FMVSS 302
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Descriptive Properties	Value	Comments
Automotive Materials	Pass	FMVSS 302
Color	Natural	

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