

Inno-Comp INNOPOLÂ® CS 2-5830 SA 30% Glass Filled Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

Material Notes:

INNOPOLÂ® CS 2-5830 SA is a 30 % glass-fiber-filled polypropylene block-copolymer compound. This grade is available in natural and custom colored form. INNOPOLÂ® CS 2-5830 SA is recommended for producing injection molded products, where the required properties are a good stiffness besides excellent impact strength. Information provided by INNO-COMP

Order this product through the following link:

http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-2-5830-SA-30-Glass-Filled-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/inÂ³	ISO 1183
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	5.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	nozzle diam 2.095 mm; ISO 1133
Storage Temperature	<= 60.0 Â°C	<= 140 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	75.0 MPa	10900 psi	50 mm/min; ISO 527-1,-2
Elongation at Yield	2.5 %	2.5 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	5.50 GPa	798 ksi	2 mm/min; ISO 527-1,-2
Charpy Impact, Notched	1.20 J/cmÂ² @Temperature -20.0 Â°C	5.71 ft-lb/inÂ² @Temperature -4.00 Â°F	ISO 179/1eA
	1.60 J/cmÂ² @Temperature 23.0 Â°C	7.61 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

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	190 - 240 Â°C	374 - 464 Â°F	Injection
Middle Barrel Temperature	190 - 240 Â°C	374 - 464 Â°F	Injection
Front Barrel Temperature	190 - 240 Â°C	374 - 464 Â°F	Injection

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 250 Å°C	410 - 482 Å°F	Injection
Mold Temperature	15.0 - 50.0 Å°C	59.0 - 122 Å°F	
Moisture Content	<= 0.070 %	<= 0.070 %	

Descriptive Properties	Value	Comments
Resin Designation	PP-B GF30	ISO 1043

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