

Plastcom SLOVALEN PH 69 GF 30/1M Polypropylene reinforced with glass fiber

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

Material Notes:

Modified homopolymer PP for injection molding, reinforced with 30% glass fiber. Applied in all industry branches. Delivered in natural mode and in the full RAL color scale. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-69-GF-301M-Polypropylene-reinforced-with-glass-fiber.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	STN EN ISO 1183-1
Filler Content	30 %	30 %	
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.016 cm/cm	0.016 in/in	STN EN ISO 294-4
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	STN EN ISO 527-2
Elongation at Break	3.5 %	3.5 %	STN EN ISO 527-2
Tensile Modulus	7.50 GPa	1090 ksi	STN EN ISO 527-2
Flexural Strength	120 MPa	17400 psi	STN EN ISO 178
Flexural Modulus	5.50 GPa	798 ksi	STN EN ISO 178
Charpy Impact Unnotched	5.00 J/cm ² @Temperature -20.0 °C	23.8 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	5.00 J/cm ² @Temperature 23.0 °C	23.8 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.900 J/cm ² @Temperature -20.0 °C	4.28 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	1.20 J/cm ² @Temperature 23.0 °C	5.71 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	155 °C	311 °F	STN EN ISO 306
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 260 °C	428 - 500 °F	
Mold Temperature	30.0 - 80.0 °C	86.0 - 176 °F	
Drying Temperature	80.0 °C @Time 7200 sec	176 °F @Time 2.00 hour	
Moisture Content	0.10 %	0.10 %	STN EN ISO 3344
Injection Pressure	60.0 - 90.0 MPa	8700 - 13100 psi	

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