

Plastcom SLOVALEN PC 99 GF 30/1M Polypropylene reinforced with glass fiber, improved flowing

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

Material Notes:

Modified copolymer PP for injection molding, reinforced with 30% glass fiber, improved flowing. 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-PC-99-GF-301M-Polypropylene-reinforced-with-glass-fiber-improved-flowing.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	STN EN ISO 1183-1
Filler Content	30 %	30 %	
Linear Mold Shrinkage	0.0058 cm/cm	0.0058 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.0127 cm/cm	0.0127 in/in	STN EN ISO 294-4
Melt Flow	23 g/10 min @Load 2.16 kg, Temperature 230 °C	23 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	STN EN ISO 527-2
Elongation at Break	3.0 %	3.0 %	STN EN ISO 527-2
Tensile Modulus	5.00 GPa	725 ksi	STN EN ISO 527-2
Flexural Strength	95.0 MPa	13800 psi	STN EN ISO 178
Flexural Modulus	4.20 GPa	609 ksi	STN EN ISO 178
Charpy Impact Unnotched	4.00 J/cm ² @Temperature -20.0 °C	19.0 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	4.80 J/cm ² @Temperature 23.0 °C	22.8 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.250 J/cm ² @Temperature -20.0 °C	1.19 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	0.600 J/cm ² @Temperature 23.0 °C	2.86 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	145 °C	293 °F	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	125 °C	257 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	145 °C	293 °F	STN EN ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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