

Plastcom SLOVALEN PH 91 GF 10 PP, 10% glass fibre

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Glass Fiber Filler

Material Notes:

Features Modified homopolymer PP for injection moulding, chemically reinforced with 10% glass fibre. Increased strength in comparison with unfilled PP. Applied in all industry branches. Increased strength, toughness, modulus in tension due to the modification. Delivered in natural mode and in the full RAL colour scale. Packaging, transport, stocking The product is packed in hermetically closed thick-walled 25 kg PE bags, on a 1.000 kg palette coated in a stretch foil, in big bags with a thick PE foil fixed on a 1.000 kg palette, in paper octabins with a thick PE foil fixed on a 1.000 kg palette or in other packaging according to customer requirements. The transport is provided in closed-up vehicles where the material is protected against movement and mechanical damage. The product requires stocking in closed-up, dry places protected against sun and thermal radiation. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-91-GF-10-PP-10-glass-fibre.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	
Linear Mold Shrinkage	0.019 cm/cm	0.019 in/in	
Linear Mold Shrinkage, Transverse	0.021 cm/cm	0.021 in/in	
Melt Flow	15 g/10 min @Load 0.325 kg, Temperature 270 °C	15 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
Elongation at Break	4.0 %	4.0 %	
Tensile Modulus	3.60 GPa	522 ksi	
Flexural Strength	60.0 MPa	8700 psi	
Flexural Modulus	2.40 GPa	348 ksi	
Charpy Impact Unnotched	3.00 J/cm ² @Temperature -20.0 °C	14.3 ft-lb/in ² @Temperature -4.00 °F	
	5.00 J/cm ² @Temperature 23.0 °C	23.8 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.100 J/cm ² @Temperature -20.0 °C	0.476 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	1.30 J/cm ² Metric	6.19 ft-lb/in ² English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	
Deflection Temperature at 1.8 MPa (264 psi)	115 °C	239 °F	
Vicat Softening Point	130 °C	266 °F	B

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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