

Plastcom SLOVALEN PC 71 GF 10 PP, 10% glass fibre

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

Material Notes:

Features Compounded homopolymer PP, with the content of 10% chemically bound glass fibre and modifier of mechanical properties. Increased strength in comparison with unfilled PP. Use in all industry sectors. Delivered in the 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-PC-71-GF-10-PP-10-glass-fibre.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	
Linear Mold Shrinkage	0.0144 cm/cm	0.0144 in/in	
Linear Mold Shrinkage, Transverse	0.0131 cm/cm	0.0131 in/in	
Melt Flow	12 g/10 min @Load 0.325 kg, Temperature 270 °C	12 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
Elongation at Break	6.0 %	6.0 %	
Tensile Modulus	2.80 GPa	406 ksi	
Flexural Strength	45.0 MPa	6530 psi	
Flexural Modulus	2.50 GPa	363 ksi	
Charpy Impact Unnotched	2.00 J/cm ² @Temperature 23.0 °C	9.52 ft-lb/in ² @Temperature 73.4 °F	
	2.00 J/cm ² @Temperature -20.0 °C	9.52 ft-lb/in ² @Temperature -4.00 °F	
Charpy Impact, Notched	0.500 J/cm ² @Temperature -20.0 °C	2.38 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	0.600 J/cm ² Metric	2.86 ft-lb/in ² English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	136 °C	277 °F	
Deflection Temperature at 1.8 MPa (264 psi)	130 °C	266 °F	
Vicat Softening Point	145 °C	293 °F	B

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 230 °C	392 - 446 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Injection Pressure	60.0 - 100 MPa	8700 - 14500 psi	

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