

Plastcom SLOVALEN PH 49 GF 60 PP reinforced with 60% glass fibre

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 60% Glass Fiber Filler

Material Notes:

Features: Modified homopolymer PP for injection moulding, chemically reinforced with 60% glass fibre, contains the modifier of mechanical properties. Very good strength and tensile modulus. 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-49-GF-60-PP-reinforced-with-60-glass-fibre.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	
Linear Mold Shrinkage	0.0043 cm/cm	0.0043 in/in	
Linear Mold Shrinkage, Transverse	0.0038 cm/cm	0.0038 in/in	
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	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	125 MPa	18100 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	12.8 GPa	1860 ksi	
Flexural Strength	160 MPa	23200 psi	
Flexural Modulus	10.1 GPa	1460 ksi	
Charpy Impact Unnotched	4.50 J/cm ² @Temperature -20.0 °C	21.4 ft-lb/in ² @Temperature -4.00 °F	
	4.50 J/cm ² @Temperature 23.0 °C	21.4 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.900 J/cm ² @Temperature -20.0 °C	4.28 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	1.10 J/cm ² Metric	8.23 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)	175 °C	347 °F	
Vicat Softening Point	182 °C	360 °F	
Flammability Test	1.0	1.0	
Glow Wire Test	650 °C	1200 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 270 °C	464 - 518 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Injection Pressure	100 - 140 MPa	14500 - 20300 psi	

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