

Plastcom SLOVALEN PC 69 GF 40 PP, 40% glass beads, mod. of mech. properties

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Glass Fiber Filler

Material Notes:

Features Modified copolymer PP for injection moulding, chemically reinforced with 40% glass fibre, contains the modifier of mechanical properties. 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-PC-69-GF-40-PP-40-glass-beads-mod-of-mech-properties.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	
Melt Flow	10 g/10 min	10 g/10 min	
	@Load 0.325 kg, Temperature 270 °C	@Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	6.50 GPa	943 ksi	
Flexural Strength	135 MPa	19600 psi	
Flexural Modulus	6.30 GPa	914 ksi	
Charpy Impact Unnotched	4.80 J/cm ²	22.8 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	5.20 J/cm ²	24.7 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.10 J/cm ²	5.23 ft-lb/in ²	

Mechanical Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °F	
Vicat Softening Point	150 °C	302 °F	B
Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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