

Plastcom SLOVALEN PC 79 GF 20 PP, 20% glass fibre, mod. of mech. prop.

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Glass Fiber Filler

Material Notes:

FeaturesModified homopolymer PP for injection moulding, chemically reinforced with 20% 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, stockingThe 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-79-GF-20-PP-20-glass-fibre-mod-of-mech-prop.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Linear Mold Shrinkage	0.0198 cm/cm	0.0198 in/in	
Linear Mold Shrinkage, Transverse	0.0206 cm/cm	0.0206 in/in	
Melt Flow	3.0 g/10 min @Load 0.325 kg, Temperature 270 °C	3.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	
Elongation at Break	4.5 %	4.5 %	
Tensile Modulus	4.30 GPa	624 ksi	
Flexural Strength	65.0 MPa	9430 psi	
Flexural Modulus	2.65 GPa	384 ksi	
Charpy Impact Unnotched	4.10 J/cm ² @Temperature -20.0 °C	19.5 ft-lb/in ² @Temperature -4.00 °F	
	5.50 J/cm ² @Temperature 23.0 °C	26.2 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.400 J/cm ² @Temperature -20.0 °C	1.90 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	Metric N/mm ²	English lb/in ²	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	130 °C	266 °F	
Deflection Temperature at 1.8 MPa (264 psi)	105 °C	221 °F	
Vicat Softening Point	112 °C	234 °F	B

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 70.0 °C	104 - 158 °F	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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