

Plastcom SLOVALEN PH 66 GF 30 FRO 4 PP, 30% glass fibre, mod. of mech. prop.

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Glass Reinforced, Impact Modified

Material Notes:

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-66-GF-30-FRO-4-PP-30-glass-fibre-mod-of-mech-prop.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	
Linear Mold Shrinkage	0.0068 cm/cm	0.0068 in/in	
Linear Mold Shrinkage, Transverse	0.0111 cm/cm	0.0111 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	65.0 MPa	9430 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	5.90 GPa	856 ksi	
Flexural Strength	110 MPa	16000 psi	
Flexural Modulus	5.60 GPa	812 ksi	
Charpy Impact Unnotched	3.70 J/cm ² @Temperature -20.0 °C	17.6 ft-lb/in ² @Temperature -4.00 °F	
	3.90 J/cm ² @Temperature 23.0 °C	18.6 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.600 J/cm ² @Temperature -20.0 °C	2.86 ft-lb/in ² @Temperature -4.00 °F	
	0.700 J/cm ²	3.33 ft-lb/in ²	

Mechanical Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
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Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °F	
Vicat Softening Point	163 °C	325 °F	B
Flammability, UL94	V-0	V-0	
Glow Wire Test	960 °C	1760 °F	

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	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China