

Plastcom SLOVAMID 6 GF 33 PA6, 33% glass fibre

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

Features PA 6 for injection moulding, chemically strengthened with 33% of glass fibre, for mouldings with high strength and toughness used in the automotive, electrical, engineering and consumer-goods industry. **Application:** grips of electrottools, hobby tools, gears, covers of electric appliances, cooling screws of blowers, electromotors, carrying parts in the automotive industry. 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-SLOVAMID-6-GF-33-PA6-33-glass-fibre.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	
Viscosity Measurement	0.55 - 0.98	0.55 - 0.98	
Linear Mold Shrinkage	0.0055 cm/cm	0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.0098 cm/cm	0.0098 in/in	
Melt Flow	3.0 g/10 min	3.0 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	180 MPa	26100 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	10.5 GPa	1520 ksi	
Flexural Strength	230 MPa	33400 psi	
Flexural Modulus	8.65 GPa	1250 ksi	
Charpy Impact Unnotched	7.50 J/cm ²	35.7 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	8.00 J/cm ²	38.1 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1.40 J/cm ²	6.66 ft-lb/in ²	

Charpy Impact, Notched Mechanical Properties	Metric @ Temperature -20.0 °C	English @ Temperature -4.00 °F	Comments
	1.50 J/cm²	7.14 ft-lb/in²	
	@ Temperature 23.0 °C	@ Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	
Deflection Temperature at 1.8 MPa (264 psi)	225 °C	437 °F	
Vicat Softening Point	215 °C	419 °F	B
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C	1200 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+11 ohm-cm	5.00e+11 ohm-cm	
Surface Resistance	8.00e+13 ohm	8.00e+13 ohm	
Dielectric Strength	20.0 kV/mm	508 kV/in	
Comparative Tracking Index	575 V	575 V	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 280 °C	482 - 536 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.15 %	0.15 %	
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