

Plastcom SLOVAMID 6 GF 30 006/1M PA6 reinforced with 30% 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 30% of milled glass fibre, for mouldings with high strength and toughness used in the automotive, electrical, engineering and consumer-goods industry. **Application:** grips of electrotools, 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-30-0061M-PA6-reinforced-with-30-glass-fibre.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	
Linear Mold Shrinkage	0.0055 cm/cm	0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 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	150 MPa	21800 psi	
Elongation at Break	2.5 %	2.5 %	
Tensile Modulus	9.20 GPa	1330 ksi	
Flexural Strength	210 MPa	30500 psi	
Flexural Modulus	7.50 GPa	1090 ksi	
Charpy Impact Unnotched	5.00 J/cm ² @Temperature -20.0 °C	23.8 ft-lb/in ² @Temperature -4.00 °F	
	6.00 J/cm ² @Temperature 23.0 °C	28.6 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.800 J/cm ² @Temperature -20.0 °C	3.81 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	Metric	English	Comments
	@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)	200 °C	392 °F	
Vicat Softening Point	210 °C	410 °F	
Flammability Test	1.0	1.0	
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