

## Plastcom SLOVAMID 6 GF 60 000/1M PA6 reinforced with 60% glass fibre

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 60% Glass Fiber Filled

### Material Notes:

Features: PA 6 for injection moulding, chemically strengthened with 60% 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 skrewws 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-60-0001M-PA6-reinforced-with-60-glass-fibre.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-6-GF-60-0001M-PA6-reinforced-with-60-glass-fibre.php)

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0034 cm/cm	0.0034 in/in	
Linear Mold Shrinkage, Transverse	0.0068 cm/cm	0.0068 in/in	
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	250 MPa	36300 psi	
Elongation at Break	2.5 %	2.5 %	
Tensile Modulus	24.0 GPa	3480 ksi	
Flexural Strength	400 MPa	58000 psi	
Flexural Modulus	18.0 GPa	2610 ksi	
Charpy Impact Unnotched	8.00 J/cm <sup>2</sup> @Temperature 23.0 °C	38.1 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
	8.00 J/cm <sup>2</sup> @Temperature -20.0 °C	38.1 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	
Charpy Impact, Notched	1.30 J/cm <sup>2</sup> @Temperature -20.0 °C	6.19 ft-lb/in <sup>2</sup> @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)	210 °C	410 °F	
Vicat Softening Point	210 °C	410 °F	
Flammability Test	1.0	1.0	
Glow Wire Test	650 °C	1200 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 300 °C	518 - 572 °F	
Mold Temperature	90.0 - 100 °C	194 - 212 °F	
Drying Temperature	90.0 °C	194 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.15 %	0.15 %	
Injection Pressure	90.0 - 150 MPa	13100 - 21800 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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