

Plastcom SLOVAMID 6 GF 20 PA6, 20% glass beads

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass Bead Filled

Material Notes:

FeaturesNearly ideal anisotropy of shrinkage in the vertical and in the horizontal direction is established. Manufacturing of exact mouldings. Disadvantage are the relatively low mechanical properties, these can be modified by addition of GF, as a result of which the anisotropy worsens. PA 6 for injection moulding, reinforced with 20% glass beads offers high grade surface brightness, low rolling resistance force. Application: eg. throttle valves for air piping. 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-20-PA6-20-glass-beads.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	
Viscosity Measurement	1.54 - 1.62	1.54 - 1.62	
Linear Mold Shrinkage	0.0154 cm/cm	0.0154 in/in	
Linear Mold Shrinkage, Transverse	0.0162 cm/cm	0.0162 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	45.0 MPa	6530 psi	
Elongation at Break	20 %	20 %	
Tensile Modulus	3.30 GPa	479 ksi	
Flexural Strength	85.0 MPa	12300 psi	
Flexural Modulus	2.80 GPa	406 ksi	
Charpy Impact Unnotched	4.50 J/cm ² @Temperature 23.0 °C	21.4 ft-lb/in ² @Temperature 73.4 °F	
	4.50 J/cm ² @Temperature -20.0 °C	21.4 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	Metric J/cm^2	English $ft-lb/in^2$	Comments
Charpy Impact, Notched	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.250 J/cm ²	1.19 ft-lb/in ²	
	@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)	50.0 °C	122 °F	
Vicat Softening Point	200 °C	392 °F	B
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C	1200 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	50.0 - 70.0 °C	122 - 158 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.15 %	0.15 %	
Injection Pressure	70.0 - 100 MPa	10200 - 14500 psi	

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