

Plastcom SLOVAMID 6 GF 20 LS PA6, 20% glass beads, light stability

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

Material Notes:

FeaturesStabilized against UV radiation. External use. 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, stockingThe 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-LS-PA6-20-glass-beads-light-stability.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	
Viscosity Measurement	1.54 - 1.65	1.54 - 1.65	
Linear Mold Shrinkage	0.0154 cm/cm	0.0154 in/in	
Linear Mold Shrinkage, Transverse	0.0165 cm/cm	0.0165 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	3.10 GPa	450 ksi	
Flexural Strength	65.0 MPa	9430 psi	
Flexural Modulus	2.50 GPa	363 ksi	
Charpy Impact Unnotched	4.00 J/cm ² @Temperature 23.0 °C	19.0 ft-lb/in ² @Temperature 73.4 °F	
	4.00 J/cm ² @Temperature -20.0 °C	19.0 ft-lb/in ² @Temperature -4.00 °F	
Charpy Impact, Notched	0.100 J/cm ²	0.476 ft-lb/in ²	

Mechanical Properties	@Temperature -20.0 °C Metric	@Temperature -4.00 °F English	Comments
	0.200 J/cm ²	0.952 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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