

Plastcom SLOVAMID 6 GB 30 TS PA6, 30% glass beads

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

Material Notes:

Features Nearly 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 30% 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-GB-30-TS-PA6-30-glass-beads.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	
Viscosity Measurement	1.45 - 1.63	1.45 - 1.63	
Linear Mold Shrinkage	0.0145 cm/cm	0.0145 in/in	
Linear Mold Shrinkage, Transverse	0.0163 cm/cm	0.0163 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	45.0 MPa	6530 psi	
Elongation at Break	7.0 %	7.0 %	
Tensile Modulus	3.80 GPa	551 ksi	
Flexural Strength	90.0 MPa	13100 psi	
Flexural Modulus	3.30 GPa	479 ksi	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.00 J/cm ²	19.0 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Mechanical Properties	Metric /cm ²	English lb/in ²	Comments
Charpy Impact, Notched	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.300 J/cm ²	1.43 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)	60.0 °C	140 °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	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	

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