

Plastcom SLOVAMID 6 NG GF 20 HLS PA6, 20% glass fibre, combined stability

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 20% Glass Fiber Filled , Nylon 6, Heat Stabilized

Material Notes:

Features PA 6 for injection moulding, chemically reinforced with 20% glass fibre, heat stabilized and weather stabilized. Stabilized against hydrolysis. Good surface finish. **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-NG-GF-20-HLS-PA6-20-glass-fibre-combined-stability.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	
Viscosity Measurement	0.31 - 0.69	0.31 - 0.69	
Linear Mold Shrinkage	0.0031 cm/cm	0.0031 in/in	
Linear Mold Shrinkage, Transverse	0.0069 cm/cm	0.0069 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	155 MPa	22500 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	7.55 GPa	1100 ksi	
Flexural Strength	190 MPa	27600 psi	
Flexural Modulus	6.15 GPa	892 ksi	
Charpy Impact Unnotched	4.50 J/cm ² @Temperature -20.0 °C	21.4 ft-lb/in ² @Temperature -4.00 °F	
	5.00 J/cm ² @Temperature 23.0 °C	23.8 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.600 J/cm ² @Temperature -20.0 °C	2.86 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	0.700 J/cm ² Metric	3.33 ft-lb/in ² English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	241 °C	466 °F	
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	
Vicat Softening Point	200 °C	392 °F	B
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 270 °C	500 - 518 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 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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