

Plastcom SLOVAMID 6 GF 5 T 20 FRG 2 PA6, 5% glass fibre, 20% mineral filling

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass/Mineral Reinforced

Material Notes:

Features PA 6 for injection moulding, with halogen free flame retardant based on polyphosphate. Good anisotrophi shinking. Application for the electrical industry: protectors, coil forms, covers, terminals. 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-5-T-20-FRG-2-PA6-5-glass-fibre-20-mineral-filling.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	
Viscosity Measurement	0.60 - 1.0	0.60 - 1.0	
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 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	90.0 MPa	13100 psi	
Elongation at Break	2.5 %	2.5 %	
Tensile Modulus	6.80 GPa	986 ksi	
Flexural Strength	120 MPa	17400 psi	
Flexural Modulus	5.20 GPa	754 ksi	
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	

Mechanical Properties	@Temperature -20.0 °C Metric	@Temperature -4.00 °F English	Comments
	0.500 J/cm ²	2.38 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)	200 °C	392 °F	
Vicat Softening Point	200 °C	392 °F	B
Flammability, UL94	V-2	V-2	
Glow Wire Test	960 °C	1760 °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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