

Plastcom SLOVAMID 6 GF 30 FRG 4 LW PA6, 30% glass fibre, flame retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled , Nylon 6, Glass Fiber Filled, Flame Retardant

Material Notes:

FeaturesPA 6 for injection moulding, chemically reinforced with 30% glass fibre, with nonhalogen flame retardant. Main features: flammability in accordance with UL 94 V0 at 1.6 mm, glow wire at 960°C, CTI 500. Application for the electrical industry: protectors, coil forms, covers, terminals. 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-30-FRG-4-LW-PA6-30-glass-fibre-flame-retardant.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	
Viscosity Measurement	0.65 - 0.71	0.65 - 0.71	
Linear Mold Shrinkage	0.0065 cm/cm	0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.0071 cm/cm	0.0071 in/in	
Melt Flow	2.0 g/10 min @Load 0.325 kg, Temperature 270 °C	2.0 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	2.5 %	2.5 %	
Tensile Modulus	9.85 GPa	1430 ksi	
Flexural Strength	205 MPa	29700 psi	
Flexural Modulus	7.86 GPa	1140 ksi	
Charpy Impact Unnotched	5.90 J/cm ² @Temperature -20.0 °C	28.1 ft-lb/in ² @Temperature -4.00 °F	
	6.80 J/cm ² @Temperature 23.0 °C	32.4 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	

Mechanical Properties	@Temperature -20.0 °C Metric	@Temperature -4.00 °F English	Comments
	1.20 J/cm ²	5.71 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)	210 °C	410 °F	
Vicat Softening Point	205 °C	401 °F	B
Flammability, UL94	V-0	V-0	
Glow Wire Test	960 °C	1760 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	
Dielectric Strength	28.0 kV/mm	711 kV/in	
Comparative Tracking Index	600 V	600 V	

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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