

Plastcom SLOVAMID 6 GF 25 FRG 5 PA6, 25% glass fibre, flame retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 20% Glass Fiber Filled , Nylon 6, 30% Glass Fiber Filled , Nylon 6, Glass Fiber Filled, Flame Retardant

Material Notes:

Features PA 6 for injection moulding, chemically reinforced with 25% 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 300. 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-25-FRG-5-PA6-25-glass-fibre-flame-retardant.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	
Viscosity Measurement	0.69 - 0.78	0.69 - 0.78	
Linear Mold Shrinkage	0.0069 cm/cm	0.0069 in/in	
Linear Mold Shrinkage, Transverse	0.0078 cm/cm	0.0078 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	145 MPa	21000 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	9.55 GPa	1390 ksi	
Flexural Strength	205 MPa	29700 psi	
Flexural Modulus	8.90 GPa	1290 ksi	
Charpy Impact Unnotched	3.90 J/cm ² @Temperature -20.0 °C	18.6 ft-lb/in ² @Temperature -4.00 °F	
	4.40 J/cm ² @Temperature 23.0 °C	20.9 ft-lb/in ² @Temperature 73.4 °F	
	0.200 J/cm ²	0.952 ft-lb/in ²	

Charpy Impact, Notched Mechanical Properties	Metric @ Temperature -20.0 °C	English @ Temperature -4.00 °F	Comments
	0.400 J/cm ²	1.90 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	210 °C	410 °F	B
Flammability, UL94	V-0	V-0	
Glow Wire Test	960 °C	1760 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	
Dielectric Strength	21.0 kV/mm	533 kV/in	
Comparative Tracking Index	400 V	400 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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