

Plastcom SLOVAMID 66 GF 35 HTS PA66, 355% glass fibre, combined stability

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, 40% Glass Fiber Filled , Nylon 66, Heat Stabilized

Material Notes:

Features PA 66 for injection moulding, chemically reinforced with 35% glass fibre, heat stabilized and stabilized against hydrolysis. Used for cooling water systems in the automotive industry. Delivered in black. 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-66-GF-35-HTS-PA66-355-glass-fibre-combined-stability.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	
Viscosity Measurement	0.40 - 0.60	0.40 - 0.60	
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	
Melt Flow	1.0 g/10 min @Load 0.325 kg, Temperature 270 °C	1.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	200 MPa	29000 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	11.3 GPa	1640 ksi	
Flexural Strength	275 MPa	39900 psi	
Flexural Modulus	9.80 GPa	1420 ksi	
Charpy Impact Unnotched	8.00 J/cm ² @Temperature 23.0 °C	38.1 ft-lb/in ² @Temperature 73.4 °F	
	8.00 J/cm ² @Temperature -20.0 °C	38.1 ft-lb/in ² @Temperature -4.00 °F	
Charpy Impact, Notched	1.10 J/cm ² @Temperature -20.0 °C	5.23 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	
Vicat Softening Point	250 °C	482 °F	B
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C	1200 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Strength	40.0 kV/mm	1020 kV/in	
Comparative Tracking Index	400 V	400 V	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °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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