

Plastcom SLOVAMID 66 T 40 FRO 3 PA66, 40% mineral filling, flame retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Mineral Filled

Material Notes:

Features PA 66 with the content of 40% chemically modified mineral filling a with fire retardant. Used for holders of electric hand tools, for hobby tools, gears, covers of electric tools, flat products, automobile wheel covers. High tensile strength and modulus in tension. Excellent dimensional stability. 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-66-T-40-FRO-3-PA66-40-mineral-filling-flame-retardant.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	
Viscosity Measurement	1.15 - 1.19	1.15 - 1.19	
Linear Mold Shrinkage	0.0115 cm/cm	0.0115 in/in	
Linear Mold Shrinkage, Transverse	0.0119 cm/cm	0.0119 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	70.0 MPa	10200 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	5.80 GPa	841 ksi	
Flexural Strength	120 MPa	17400 psi	
Flexural Modulus	6.00 GPa	870 ksi	
Charpy Impact Unnotched	3.10 J/cm ² @Temperature -20.0 °C	14.8 ft-lb/in ² @Temperature -4.00 °F	
	3.20 J/cm ² @Temperature 23.0 °C	15.2 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	

Mechanical Properties	@Temperature -20.0 °C Metric	@Temperature -4.00 °F English	Comments
	0.300 J/cm²	1.43 ft-lb/in²	
	@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)	135 °C	275 °F	
Vicat Softening Point	240 °C	464 °F	B
Flammability, UL94	V-2	V-2	
Glow Wire Test	960 °C	1760 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	
Dielectric Strength	40.0 kV/mm	1020 kV/in	
Comparative Tracking Index	300 V	300 V	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 310 °C	536 - 590 °F	
Mold Temperature	80.0 - 120 °C	176 - 248 °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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