

Plastcom SLOVAMID 66 LI TS PA66, improved strength

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Impact Grade

Material Notes:

Features Modified with thermoplastic reactive caoutchouc, determined for mouldings with high toughness also at minus temperatures. Eligible application for ski-shoes, helmets for sport and other safety use /hockey, building/, protection frames of cardoors. Withstands high dynamic stress up to - 40°C. 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-LI-TS-PA66-improved-strength.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	
Viscosity Measurement	3.02 - 3.14	3.02 - 3.14	
Linear Mold Shrinkage	0.0314 cm/cm	0.0314 in/in	
Linear Mold Shrinkage, Transverse	0.0302 cm/cm	0.0302 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	73.0 MPa	10600 psi	
Elongation at Break	12 %	12 %	
Tensile Modulus	2.75 GPa	399 ksi	
Flexural Strength	97.0 MPa	14100 psi	
Flexural Modulus	2.50 GPa	363 ksi	
Charpy Impact Unnotched	10.3 J/cm ² @Temperature -20.0 °C	49.0 ft-lb/in ² @Temperature -4.00 °F	
	17.5 J/cm ² @Temperature 23.0 °C	83.3 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
	1.50 J/cm ²	7.14 ft-lb/in ²	
	@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)	70.0 °C	158 °F	
Vicat Softening Point	237 °C	459 °F	B
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	
Dielectric Strength	33.0 kV/mm	838 kV/in	
Comparative Tracking Index	600 V	600 V	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °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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