

Plastcom SLOVAMID 66 GF 20 GB 10 HI 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-GF-20-GB-10-HI-PA66-improved-strength.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	
Viscosity Measurement	0.98 - 1.12	0.98 - 1.12	
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	
Linear Mold Shrinkage, Transverse	0.0098 cm/cm	0.0098 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	3.0 %	3.0 %	
Tensile Modulus	7.30 GPa	1060 ksi	
Flexural Strength	145 MPa	21000 psi	
Flexural Modulus	5.75 GPa	834 ksi	
Charpy Impact Unnotched	7.50 J/cm ² @Temperature -20.0 °C	35.7 ft-lb/in ² @Temperature -4.00 °F	
	9.00 J/cm ² @Temperature 23.0 °C	42.8 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	

Mechanical Properties	@Temperature -20.0 °C Metric	@Temperature -4.00 °F English	Comments
	1.80 J/cm ²	8.57 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)	202 °C	396 °F	
Vicat Softening Point	195 °C	383 °F	B

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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