

Plastcom SLOVAMID 6 HI/1 TLS PA6, improved strength

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

Material Notes:

Features PA 6 with the content of thermoplastic kaoutchouc. Impacted, for mouldings with high toughness either at minus temperatures, suitable for external use, eg. ski shoes, sports and safety helmets, protection ledges of the car-doors. 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-HI1-TLS-PA6-improved-strength.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	
Viscosity Measurement	2.04 - 2.08	2.04 - 2.08	
Linear Mold Shrinkage	0.0208 cm/cm	0.0208 in/in	
Linear Mold Shrinkage, Transverse	0.0204 cm/cm	0.0204 in/in	
Melt Flow	4.0 g/10 min @Load 0.325 kg, Temperature 270 °C	4.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	58.0 MPa	8410 psi	
Elongation at Break	4.0 %	4.0 %	
Tensile Modulus	2.25 GPa	326 ksi	
Flexural Strength	73.0 MPa	10600 psi	
Flexural Modulus	1.93 GPa	280 ksi	
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	
	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	
Charpy Impact, Notched	1.60 J/cm ²	7.61 ft-lb/in ²	

Mechanical Properties	@Temperature -20.0 °C Metric	@Temperature -4.00 °F English	Comments
	3.70 J/cm ²	17.6 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)	55.0 °C	131 °F	
Vicat Softening Point	180 °C	356 °F	B
Flammability, UL94	HB	HB	
Glow Wire Test	850 °C	1560 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 260 °C	464 - 500 °F	
Mold Temperature	50.0 - 60.0 °C	122 - 140 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.15 %	0.15 %	
Injection Pressure	80.0 - 150 MPa	11600 - 21800 psi	

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