

Plastcom SLOVAMID 6 GF 7 T 13 PA6, 7% glass fibre, 13% mineral filling

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass/Mineral Reinforced

Material Notes:

Features Good anisotropy of the manufacturing shrinkage. The talc is added to get the material shrinkage identical in both directions.

Application for flat products in disc form /no screw after cooling off/ and for thick-walled products, at which the protection against the material failure is guaranteed. PA for injection moulding with the content of 13% micromilled talc. 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-GF-7-T-13-PA6-7-glass-fibre-13-mineral-filling.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	
Viscosity Measurement	0.93 - 1.12	0.93 - 1.12	
Linear Mold Shrinkage	0.0093 cm/cm	0.0093 in/in	
Linear Mold Shrinkage, Transverse	0.0112 cm/cm	0.0112 in/in	
Melt Flow	8.0 g/10 min @Load 0.325 kg, Temperature 270 °C	8.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	
Elongation at Break	5.0 %	5.0 %	
Tensile Modulus	4.80 GPa	696 ksi	
Flexural Strength	165 MPa	23900 psi	
Flexural Modulus	4.55 GPa	660 ksi	
Charpy Impact Unnotched	4.00 J/cm ² @Temperature -20.0 °C	19.0 ft-lb/in ² @Temperature -4.00 °F	
	4.50 J/cm ² @Temperature 23.0 °C	21.4 ft-lb/in ² @Temperature 73.4 °F	
	0.400 J/cm ²	1.90 ft-lb/in ²	

Charpy Impact, Notched Mechanical Properties	Metric @ Temperature -20.0 °C	English @ Temperature -4.00 °F	Comments
	0.600 J/cm ²	2.86 ft-lb/in ²	
	@ Temperature 23.0 °C	@ Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	
Deflection Temperature at 1.8 MPa (264 psi)	220 °C	428 °F	
Vicat Softening Point	210 °C	410 °F	B
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 270 °C	464 - 518 °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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