

Plastcom SLOVAMID 6 GB 30 HI PA6 reinforced with glass beads, improved impact strength

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass Bead Filled , Nylon 6 , Impact Grade

Material Notes:

PA 6 for injection molding, reinforced with 30% glass beads, impact modified. Application: impacted moldings and moldings with higher strength applied in automotive, electrical, engineering and consumer-goods industry Delivered in natural mode and in the full RAL color scale. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-6-GB-30-HI-PA6-reinforced-with-glass-beads-improved-impact-strength.php

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in ³	STN EN ISO 1183-1
Filler Content	30 %	30 %	
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.012 cm/cm	0.012 in/in	STN EN ISO 294-4
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 230 °C	6.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	STN EN ISO 527-2
Elongation at Break	7.0 %	7.0 %	STN EN ISO 527-2
Tensile Modulus	3.40 GPa	493 ksi	STN EN ISO 527-2
Flexural Strength	75.0 MPa	10900 psi	STN EN ISO 178
Flexural Modulus	2.10 GPa	305 ksi	STN EN ISO 178
Charpy Impact Unnotched	8.50 J/cm ² @Temperature -20.0 °C	40.4 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.900 J/cm ² @Temperature -20.0 °C	4.28 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	1.40 J/cm ² @Temperature 23.0 °C	6.66 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Mechanical Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	67.0 °C	153 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	200 °C	392 °F	STN EN ISO 306
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C @Thickness 3.00 mm	1200 °F @Thickness 0.118 in	STN EN 60695-2-12

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Moisture Content	0.15 %	0.15 %	STN EN ISO 3344
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China