

Plastcom SLOVAMID® 6/66 GF 15 GB 15 PA6/66 reinforced with glass fiber, glass beads

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/Nylon 6 Blend, Glass Fiber Filled

Material Notes:

PA 6 and PA 66 alloy for injection molding, reinforced with 15% glass fiber and 15 % glass beads, for moldings used in the automotive, electrical, building, engineering and hobby industry - holders of electric hand tools, hobby tools, gears, covers of electric tools, automobile mirror housings, cooling screws of blowers, electromotors, bearing parts in the automotive 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-666-GF-15-GB-15-PA666-reinforced-with-glass-fiber-glass-beads.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	STN EN ISO 1183-1
Filler Content	15 %	15 %	Glass Beads
	15 %	15 %	Glass Fibers
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	STN EN ISO 294-4
Melt Flow	3.0 g/10 min	3.0 g/10 min	STN EN ISO 1133
	@Load 0.325 kg, Temperature 275 °C	@Load 0.716 lb, Temperature 527 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	STN EN ISO 527-2
Elongation at Break	3.5 %	3.5 %	STN EN ISO 527-2
Tensile Modulus	5.80 GPa	841 ksi	STN EN ISO 527-2
Flexural Strength	165 MPa	23900 psi	STN EN ISO 178
Flexural Modulus	4.75 GPa	689 ksi	STN EN ISO 178
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact Unnotched	4.50 J/cm ²	21.4 ft-lb/in ²	STN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.300 J/cm ²	1.43 ft-lb/in ²	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Mechanical Properties	Metric /cm ²	English lb/in ²	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	245 °C	473 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	240 °C	464 °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	0.10 %	0.10 %	STN EN ISO 3344
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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