

Plastcom SLOVAMID 66 GF 15 002/1M PA66 reinforced with glass fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

Material Notes:

PA66 for injection molding, reinforced with 15 % glass fiber, 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 black color. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-66-GF-15-0021M-PA66-reinforced-with-glass-fiber.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	STN EN ISO 1183-1
Filler Content	15 %	15 %	
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	STN EN ISO 294-4
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 275 °C	20 g/10 min @Load 4.76 lb, Temperature 527 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	STN EN ISO 527-2
Elongation at Break	4.0 %	4.0 %	STN EN ISO 527-2
Tensile Modulus	5.20 GPa	754 ksi	STN EN ISO 527-2
Flexural Strength	185 MPa	26800 psi	STN EN ISO 178
Flexural Modulus	4.30 GPa	624 ksi	STN EN ISO 178
Charpy Impact Unnotched	3.50 J/cm ² @Temperature -20.0 °C	16.7 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	4.50 J/cm ² @Temperature 23.0 °C	21.4 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.250 J/cm ² @Temperature -20.0 °C	1.19 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	0.400 J/cm ² @Temperature 23.0 °C	1.90 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	250 °C	482 °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 - 290 °C	482 - 554 °F	
Mold Temperature	80.0 - 120 °C	176 - 248 °F	
Drying Temperature	90.0 °C @Time 14400 sec	194 °F @Time 4.00 hour	
Moisture Content	0.15 %	0.15 %	STN EN ISO 3344
Injection Pressure	80.0 - 110 MPa	11600 - 16000 psi	

Descriptive Properties	Value	Comments
Color	Black	

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