

Plastcom PLASTAMID® 66 GF 30 TS 002 PA66 reinforced with glass fiber, heat stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Heat Stabilized

Material Notes:

PA66 for injection molding, reinforced with 30 % glass fiber, heat stabilized, used in automotive, engineering and electrical industry, eg. intake pipes, cylinder heads, induction coils, carrying parts in the motor fixing in the motor area. Application: hobby tools, gears, covers of electric tools, cooling water distribution in the automotive industry. Delivered in black. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-PLASTAMID-66-GF-30-TS-002-PA66-reinforced-with-glass-fiber-heat-stabilized.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	STN EN ISO 1183-1
Filler Content	30 %	30 %	
Linear Mold Shrinkage	0.0074 cm/cm	0.0074 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.0115 cm/cm	0.0115 in/in	STN EN ISO 294-4
Melt Flow	3.0 g/10 min @Load 0.325 kg, Temperature 275 °C	3.0 g/10 min @Load 0.716 lb, Temperature 527 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	145 MPa	21000 psi	STN EN ISO 527-2
Elongation at Break	2.0 %	2.0 %	STN EN ISO 527-2
Tensile Modulus	8.00 GPa	1160 ksi	STN EN ISO 527-2
Flexural Strength	200 MPa	29000 psi	STN EN ISO 178
Flexural Modulus	6.50 GPa	943 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	0.600 J/cm ² @Temperature -20.0 °C	2.86 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	0.700 J/cm ² @Temperature 23.0 °C	3.33 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	230 °C	446 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	230 °C	446 °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

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	STN 34 6460
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	STN 34 6460
Dielectric Strength	40.0 kV/mm	1020 kV/in	STN EN 60243-2
Comparative Tracking Index	400 V	400 V	STN EN 60112

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 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	

Descriptive Properties	Value	Comments
Color	Black	

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