

Tipco Tipcofil® AGM 602 - 10% Mineral & 20% Glass Fiber Reinforced Nylon-6 Compound, with High Heat Stability

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

10% Mineral + 20% Glass Reinforced Nylon-6 Compound Applications: General Purpose Processing: Injection Molding Information provided by the Manufacturer, Tipco Industries Ltd., India.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tipco-Tipcofil-AGM-602-10-Mineral-20-Glass-Fiber-Reinforced-Nylon-6-Compound-with-High-Heat-Stability.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ASTM D792
Water Absorption	1.25 %	1.25 %	ASTM D570
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	120 MPa	17400 psi	ASTM D638
Elongation at Break	>= 4.0 %	>= 4.0 %	ASTM D638
Flexural Yield Strength	160 MPa	23200 psi	ASTM D790
Flexural Modulus	6.60 GPa	957 ksi	ASTM D790
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	ASTM D256
Izod Impact, Unnotched (ISO)	50.0 kJ/m ²	23.8 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	205 °C	401 °F	ASTM D648
Vicat Softening Point	210 °C	410 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	250 °C	482 °F	
Rear Barrel Temperature	240 °C	464 °F	
Middle Barrel Temperature	250 °C	482 °F	

Front Barrel Temperature Processing Properties	255 °C Metric	491 °F English	Comments
Nozzle Temperature	250 °C	482 °F	
Mold Temperature	85.0 °C	185 °F	
Drying Temperature	85.0 °C	185 °F	

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