

Tipco Tipcofil® AG 800 - 40% Glass Fiber Reinforced Nylon-6 Compound, with High Heat Stability

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

40% 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-AG-800-40-Glass-Fiber-Reinforced-Nylon-6-Compound-with-High-Heat-Stability.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	ASTM D792
Water Absorption	1.0 %	1.0 %	ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	180 MPa	26100 psi	ASTM D638
Elongation at Break	>= 4.0 %	>= 4.0 %	ASTM D638
Flexural Yield Strength	225 MPa	32600 psi	ASTM D790
Flexural Modulus	9.40 GPa	1360 ksi	ASTM D790
Izod Impact, Notched (ISO)	13.0 kJ/m ²	6.19 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ASTM D648
Vicat Softening Point	218 °C	424 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	270 °C	518 °F	
Rear Barrel Temperature	250 °C	482 °F	
Middle Barrel Temperature	260 °C	500 °F	
Front Barrel Temperature	270 °C	518 °F	

Nozzle Temperature Processing Properties	265 °C Metric	509 °F English	Comments
Mold Temperature	105 °C	221 °F	
Drying Temperature	85.0 °C	185 °F	

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