

Tipco Tipcofil® AG 300 - 15% Glass Fiber Reinforced Nylon-6 Compound, with High Heat Stability

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

15% 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-300-15-Glass-Fiber-Reinforced-Nylon-6-Compound-with-High-Heat-Stability.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D792
Water Absorption	1.2 %	1.2 %	ASTM D570
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ASTM D955
Melt Flow	16 g/10 min	16 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	175 MPa	25400 psi	ASTM D790
Flexural Modulus	4.50 GPa	653 ksi	ASTM D790
Izod Impact, Notched (ISO)	6.50 kJ/m ²	3.09 ft-lb/in ²	ASTM D256
Izod Impact, Unnotched (ISO)	48.0 kJ/m ²	22.8 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	200 °C	392 °F	ASTM D648
Vicat Softening Point	205 °C	401 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	250 °C	482 °F	
Rear Barrel Temperature	245 °C	473 °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	90.0 °C	194 °F	
Drying Temperature	85.0 °C	185 °F	

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