

## Tipco Tipcofil® AGM 802 - 25% Mineral & 15% Glass Fiber Reinforced Nylon-6 Compound, with High Heat Stability

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

25% Mineral + 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-AGM-802-25-Mineral-15-Glass-Fiber-Reinforced-Nylon-6-Compound-with-High-Heat-Stability.php](http://www.lookpolymers.com/polymer_Tipco-Tipcofil-AGM-802-25-Mineral-15-Glass-Fiber-Reinforced-Nylon-6-Compound-with-High-Heat-Stability.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.1 %	1.1 %	ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955
Melt Flow	8.0 g/10 min	8.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	ASTM D638
Elongation at Break	>= 4.0 %	>= 4.0 %	ASTM D638
Flexural Yield Strength	148 MPa	21500 psi	ASTM D790
Flexural Modulus	7.50 GPa	1090 ksi	ASTM D790
Izod Impact, Notched (ISO)	7.00 kJ/m <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ASTM D256
Izod Impact, Unnotched (ISO)	35.0 kJ/m <sup>2</sup>	16.7 ft-lb/in <sup>2</sup>	ASTM D256

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

Processing Properties	Metric	English	Comments
Processing Temperature	260 °C	500 °F	
Rear Barrel Temperature	245 °C	473 °F	
Middle Barrel Temperature	255 °C	491 °F	

Front Barrel Temperature Processing Properties	265 °C Metric	509 °F English	Comments
Nozzle Temperature	260 °C	500 °F	
Mold Temperature	75.0 °C	167 °F	
Drying Temperature	85.0 °C	185 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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