

## Tipco Tipcofil® AG 600 - 30% Glass Fiber Reinforced Nylon-6 Compound, with High Heat Stability

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

30% 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-600-30-Glass-Fiber-Reinforced-Nylon-6-Compound-with-High-Heat-Stability.php](http://www.lookpolymers.com/polymer_Tipco-Tipcofil-AG-600-30-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 <sup>3</sup>	ASTM D792
Water Absorption	1.1 %	1.1 %	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	155 MPa	22500 psi	ASTM D638
Elongation at Break	>= 4.0 %	>= 4.0 %	ASTM D638
Flexural Yield Strength	210 MPa	30500 psi	ASTM D790
Flexural Modulus	7.50 GPa	1090 ksi	ASTM D790
Izod Impact, Notched (ISO)	9.00 kJ/m <sup>2</sup>	4.28 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	215 °C	419 °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	265 °C	509 °F	

<b>Nozzle Temperature Processing Properties</b>	<b>260 °C Metric</b>	<b>500 °F English</b>	<b>Comments</b>
Mold Temperature	100 °C	212 °F	
Drying Temperature	85.0 °C	185 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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