

Techmer ES HiFill FR[®] PA6/6 GF25 FR BK 25% Glass Filled (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, Heat Stabilized

Material Notes:

Availability: North America
 Forms: Pellets
 Filler/Reinforcement: Glass Fiber, 25% Filler by Weight
 Additive: Heat Stabilizer and Lubricant
 Features: Flame Retardant, Heat Stabilized and Lubricated
 Appearance: Black
 TPCI# 8230101
 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-FR-PA66-GF25-FR-BK-25-Glass-Filled-Conditioned.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|--------------------|---------------------------|-----------|
| Density | 1.51 g/cc | 0.0546 lb/in ³ | ASTM D792 |
| Water Absorption | 0.60 % | 0.60 % | ASTM D570 |
| | @Time 86400 sec | @Time 24.0 hour | |
| Linear Mold Shrinkage, Flow | 0.0030 cm/cm | 0.0030 in/in | ASTM D955 |
| | @Thickness 3.17 mm | @Thickness 0.125 in | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--------------------|---------------------|-----------|
| Hardness, Rockwell R | 120 | 120 | ASTM D785 |
| Tensile Strength, Yield | 120 MPa | 17400 psi | ASTM D638 |
| Elongation at Break | 4.0 % | 4.0 % | ASTM D638 |
| Flexural Strength | 172 MPa | 25000 psi | ASTM D790 |
| Flexural Modulus | 6.55 GPa | 950 ksi | ASTM D790 |
| Izod Impact, Notched | 1.17 J/cm | 2.20 ft-lb/in | ASTM D256 |
| | @Thickness 3.17 mm | @Thickness 0.125 in | |

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