

HiFill® PA6 GF30 RM BK

Polyamide 6
Techmer Engineered Solutions

Message:

HiFill® PA6 GF30 RM BK is a Polyamide 6 (Nylon 6) product filled with 30% glass fiber. It can be processed by injection molding and is available in North America. Primary characteristic: low moisture absorption.

| General Information | | | |
|---|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,30% Filler by Weight | | |
| Features | Low Moisture Absorption | | |
| Appearance | Black | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.34 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm) | 0.50 | % | ASTM D955 |
| Water Absorption (24 hr) | 0.70 | % | ASTM D570 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 118 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 176 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 2.4 | % | ASTM D638 |
| Flexural Modulus | 10300 | MPa | ASTM D790 |
| Flexural Strength | 276 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 120 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 210 | °C | ASTM D648 |
| CLTE - Flow | 1.6E-5 | cm/cm/°C | ASTM D696 |
| Additional Information | Nominal Value | | |
| TPCI # | 9719102 | | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 82.2 | °C | |
| Drying Time | 4.0 | hr | |
| Rear Temperature | 260 to 304 | °C | |
| Middle Temperature | 260 to 304 | °C | |
| Front Temperature | 260 to 304 | °C | |
| Processing (Melt) Temp | 243 to 271 | °C | |
| Mold Temperature | 65.6 to 93.3 | °C | |
| Back Pressure | 0.00 to 0.345 | MPa | |

Screw Speed

30 to 60

rpm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT