



长纤（厦门）新材料科技有限公司

Xiamen LFT Composite Plastic Co.,Ltd

Technical Data Sheet

LFT-G® PA6-NA-LCF30

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|-------------------|-------------------------|
| Product Name | ● LFT-G® PA6-NA-LCF30 |
| Resin Description | ● Nylon 6 (Polyamide 6) |
| Fiber Type | ● Long Carbon Fiber |
| Fiber Content | ● 30% |
| Color | ● Black |
| Processed Method | ● Injection molding |

| Physical | Typical Characteristic | Testing Standard |
|----------------------------|------------------------|--|
| 比重 Specific Gravity | 1.26 g/cm ³ | ASTM D-792 |
| 成型收缩率 Molding Shrinkage | 0.10 - 0.30 % | ASTM D-955 (1/8 in (3.2 mm)section) |

| Mechanical | Typical Characteristic | Testing Standard |
|--|------------------------|------------------|
| 拉伸强度 Tensile Strength | 250 MPa | ASTM D-638 |
| 拉伸模量 Tensile Modulus | 22981 MPa | ASTM D-638 |
| 拉伸伸长率 Tensile Elongation | 0.7 % | ASTM D-638 |
| 弯曲强度 Flexural Strength | 319 MPa | ASTM D-790 |
| 弯曲模量 Flexural Modulus | 13854 MPa | ASTM D-790 |
| 悬臂梁缺口冲击强度 Notched Izod Impact | 230 J/m | ASTM D-256 |
| 简支梁缺口冲击强度 Beam breach impact strength | J/m | ASTM D-4812 |

| Thermal | Typical Characteristic | Testing Standard |
|---------------------------------|------------------------|------------------|
| 热变形温度 Deflection Temperature | 204 ° C | ASTM D-648 |

LFT-G[®] PA6-NA-LCF30

Flammability

Typical Characteristic

Testing Standard

阻燃性

Flame Retardant

HB @ 1.5 mm

ASTM D-635

Injection

Typical Characteristic

注塑压力

Injection Pressure

69 - 124 MPa

熔体温度

Melt Temperature

240 - 280 ° C

模具温度

Mould temperature

90 - 120 ° C

干燥

Pre-drying

4 hrs @ 90 - 110 ° C

水分含量

Moisture Content

0.20 %

露点温度

Dew Point

-18 ° C

Processing Notes

Molding guidelines and processing conditions for LFT-G[®] long fiber composite pellets are available in our Material Processing Guide. Please contact our technical support team if you require additional information regarding processing a particular product or guidance resolving problems.

Values included in this Property Data Sheet are based on limited laboratory test specimens. These values are typical values and are not meant to be used for setting maximum or minimum values for specification purposes. Any determination of the suitability of the materials shown in this property data sheet for use by the end user is the sole responsibility of the user, who must assure himself that the material as subsequently processed meets the need of his particular product or use. To the best of our knowledge the information in this publication is accurate and reliable, LFT-G[®] does not assume any liability whatsoever for the accuracy of this information.

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Availability : Global