



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

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 <sup>3</sup>	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	262 MPa 250 MPa	ISO: 5272 ASTM D-638
拉伸模量 Tensile Modulus	35803 MPa 22981 MPa	ISO: 5272 ASTM D-638
拉伸伸长率 Tensile Elongation	6.9 % 0.7 %	ISO: 5272 ASTM D-638
弯曲强度 Flexural Strength	328 MPa 319 MPa	ISO: 178 ASTM D-790
弯曲模量 Flexural Modulus	15010 MPa 13854 MPa	ISO: 178 ASTM D-790
悬臂梁缺口冲击强度 Notched Izod Impact	34 KJ/m <sup>2</sup> 230 J/m	ISO: 179 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> does not assume any liability whatsoever for the accuracy of this information.

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**Availability** : Global