



长纤（厦门）新材料科技有限公司

Xiamen LFT Composite Plastic Co.,Ltd

Technical Data Sheet

LFT-G® PA12-NA-LGF50

Product Name	● LFT-G® PA12-NA-LGF50
Resin Description	● Nylon 12 (Polyamide 12)
Fiber Type	● Long Glass Fiber
Fiber Content	● 50%
Color	● Natural, and custom colors
Processed Method	● Injection molding

Physical	Typical Characteristic	Testing Standard
比重 Specific Gravity	1.46 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	160 MPa	ASTM D-638
拉伸模量 Tensile Modulus	11719 MPa	ASTM D-638
拉伸伸长率 Tensile Elongation	2.0 - 3.0 %	ASTM D-638
弯曲强度 Flexural Strength	253 MPa	ASTM D-790
弯曲模量 Flexural Modulus	8275 MPa	ASTM D-790
悬臂梁缺口冲击强度 Notched Izod Impact	423 J/m	ASTM D-256
未切口冲击强度 Un-Notched Izod Impact	1493 J/m	ASTM D-4812

LFT-G® PA12-NA-LGF50

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

243 - 271 ° C

模具温度

Mould temperature

54 - 93 ° C

干燥

Pre-drying

2 hrs @ 82 ° C

水分含量

Moisture Content

0.20 %

露点温度

Dew Point

-29 ° 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