

LFT-G[®] ABS-NA-LCF30

Product Name	● LFT-G [®] ABS-NA-LCF30
Resin Description	● ABS (Acrylonitrile Butadiene Styrene plastic)
Fiber Type	● Long Carbon Fiber
Fiber Content	● 30%
Color	● Natural, and custom colors
Processed Method	● Injection molding

Physical**Typical Characteristic****Testing Standard**

比重		
Specific Gravity	1.18 g/cm ³	ASTM D-792
成型收缩率		
Molding Shrinkage	0.1-0.3 %	ASTM D-955 (1/8 in (3.2 mm) section)

Mechanical**Typical Characteristic****Testing Standard**

拉伸强度	103 MPa	ISO: 5272
Tensile Strength	109 MPa	ASTM D-638
拉伸模量	25637 MPa	ISO: 5272
Tensile Modulus	14523 MPa	ASTM D-638
拉伸伸长率	3.3 %	ISO: 5272
Tensile Elongation	0.14 %	ASTM D-638
弯曲强度	160.4 MPa	ISO: 178
Flexural Strength	213.3 MPa	ASTM D-790
弯曲模量	15445 MPa	ISO: 178
Flexural Modulus	37613 MPa	ASTM D-790
悬臂梁缺口冲击强度	22.1 KJ/m ²	ISO: 179
Notched Izod Impact	146.3 J/m	ASTM D-256
未切口冲击强度		
Un-Notched Izod Impact	J/m	ASTM D-4812

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Thermal	Typical Characteristic	Testing Standard
温度偏差 Deflection Temperature	° C	ASTM D-648

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	70-110 MPa
熔体温度 Melt Temperature	210-240 ° C
模具温度 Mould temperature	60-90 ° C
干燥 Pre-drying	2- 4 hrs @ 80-95 ° C
水分含量 Moisture Content	0.01 %
露点温度 Dew Point	° 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