

LFT-G[®] PP-NA-LGF50

Product Name	● LFT-G [®] PP-NA-LGF50
Resin Description	● PP (HPP Polypropylene)
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	1.33	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	151	MPa	ISO: 5272
Tensile Strength	145	MPa	ASTM D-638
拉伸模量	14017	MPa	ISO: 5272
Tensile Modulus	13356	MPa	ASTM D-638
拉伸伸长率	6.1	%	ISO: 5272
Tensile Elongation	1.6	%	ASTM D-638
弯曲强度	211	MPa	ISO: 178
Flexural Strength	203	MPa	ASTM D-790
弯曲模量	6249	MPa	ISO: 178
Flexural Modulus	9356	MPa	ASTM D-790
悬臂梁缺口冲击强度	45	KJ/m ²	ISO: 179
Notched Izod Impact	285	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	154	° C	ASTM D-648

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Flammability	Typical Characteristic	Testing Standard
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阻燃性 Flame Retardant	HB @ 1.5 mm	ASTM D-635
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Injection	Typical Characteristic
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注塑压力 Injection Pressure	69 - 103 MPa
熔体温度 Melt Temperature	191 - 232 ° C
模具温度 Mould temperature	32 - 66 ° C
干燥 Pre-drying	2 hrs @ 79 ° 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