

LFT-G[®] PA66-NA-LCF40

Product Name	● LFT-G [®] PA66-NA-LCF40
Resin Description	● Nylon 66 (Polyamide 66)
Fiber Type	● Long Carbon Fiber
Fiber Content	● 40%
Color	● Black
Processed Method	● Injection molding

Physical	Typical Characteristic	Testing Standard
比重		
Specific Gravity	1.30 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	292 MPa	ISO: 5272
Tensile Strength	289 MPa	ASTM D-638
拉伸模量	51683 MPa	ISO: 5272
Tensile Modulus	58256 MPa	ASTM D-638
拉伸伸长率	7.0 %	ISO: 5272
Tensile Elongation	1.0 %	ASTM D-638
弯曲强度	419 MPa	ISO: 178
Flexural Strength	427 MPa	ASTM D-790
弯曲模量	11627 MPa	ISO: 178
Flexural Modulus	17327 MPa	ASTM D-790
悬臂梁缺口冲击强度	32 KJ/m ²	ISO: 179
Notched Izod Impact	224 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	252 ° C	ASTM D-648

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Flammability Typical Characteristic Testing Standard

阻燃性 Flame Retardant	HB @ 1.5 mm	ASTM D-635
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Injection Typical Characteristic

注塑压力 Injection Pressure	69 - 124 MPa
熔体温度 Melt Temperature	277 - 299 ° 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.

Web : www.lfirt-plastic.com www.lft-g.com

Email : info@lfirtplastic.com

Tel : 0086 592-7277077

Availability : Global