

LFT-G[®]

长纤（厦门）新材料科技有限公司
Xiamen LFT composite plastic Co.,ltd

长纤维增强热塑性材料

Long Fiber reinforced Thermoplastics

LFT-G[®]

长纤（厦门）新材料科技有限公司
Xiamen LFT composite plastic Co.,ltd

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Long glass fiber

PP-LFT

PA6-LFT

PA66-LFT

PA12-LFT

PBT-LFT

TPU-LFT

PPS-LFT

PPA-LFT

材料的世界

The world of materials

Long carbon fiber

PP-LCF

TPU-LCF

PA6-LCF

PA66-LCF

PA12-LCF

PPS-LCF

PPA-LCF

PEI-LCF

PEEK-LCF

LFT-G[®]

About Us

公司简介

长纤（厦门）新材料科技有限公司

——用长纤维增强热塑性技术改造应用和市场。

十多年前由热塑性复合材料行业的冀明元创立，他们知道可以将长纤维增强技术的强大，更坚韧，更轻的优点纳入新的应用和市场，以创造更好的产品。

LFT-G[®] 专注于开发和提供创新的，按订单生产的长纤维增强热塑性复合材料解决方案，以满足应用特定的结构性能要求。

Xiamen LFT composite plastic Co.,Ltd

——Transforming Applications and Markets with Long Fiber Reinforced Thermoplastic Technology.

Was founded over a decade ago by Mingyuan Ji of the thermoplastic composites industry who knew they could incorporate the stronger, tougher, and lighter benefits of long fiber reinforcement technology into new applications and markets to create better products.

Using a partnership-based philosophy combined with a fully integrated approach to application development, LFT-G[®] focus our expertise on developing and delivering innovative, made-to-order long fiber reinforced thermoplastic composite solutions to satisfy application specific requirements for structural performance.

转型解决方案

LFT-G[®] 使用专有的拉挤成型工艺生产LFT长纤维复合材料颗粒，该工艺利用PP、PA、PBT、TPU、PPS、PPA、PEEK等热塑性聚合物基体熔融浸渍连续的碳，玻璃或其他特种纤维。我们的复合颗粒产品通过使用注射成型，型材挤出或压缩模塑方法的处理器形成成品。

对于那些不熟悉使用纤维增强复合材料来代替金属或其他传统材料的公司，我们有能力帮助您从产品概念到生产。我们为产品设计，性能分析，复合配方，复合颗粒生产和成品加工提供单一供应商选择。

Transformative Solutions

LFT-G[®] manufacture LFT long fiber composite pellets using a proprietary pultrusion process that melt impregnates continuous carbon, glass or other specialty fibers with thermoplastic polymer matrices PP, PA, PBT, TPU, PPS, PPA, PEEK etc. Our composite pellet products are formed into finished articles by processors using injection molding, profile extrusion, or compression molding methods.

For those unfamiliar with using fiber-reinforced composites to replace metals or other traditional materials, we have capabilities to assist you from product concept through production. We provide single-vendor options for product design, performance analysis, composite formulation, composite pellet production, and processing into finished components.

性能适合

长纤维增强复合材料的高强度-重量比使其成为金属或表现不佳的材料理想替代品。它们广泛用于生产用于航空航天，家电，汽车，建筑，国防，电子，流体处理，医疗保健，工业设备，机器人，运动用品，运输和其他需要高性能的市场的轻质且具有成本效益的半结构部件材料。

Performance Fits

The high strength-to-weight-ratio of long fiber reinforced composites makes them an ideal substitute for metals or underperforming materials. They are widely used to produce lightweight and cost-effective semi-structural components for aerospace, appliance, automotive, construction, defense, electronics, fluid handling, healthcare, industrial equipment, robotics, sporting goods, transportation, and other markets that require high performance materials.

企业文化

Corporate Culture

集成技术

将长纤维技术应用于新的应用和市场，特别是需要高性能工程聚合物或长碳纤维增强材料时，这些都是关于纤维丝，并使用它们来实现您的性能要求。

考虑到产品设计，材料性能和加工方法，我们的综合方法克服了金属到塑料的转换挑战，开发了一种使您的产品更好的定制解决方案。

敏捷是我们定义的文化特征之一；我们的团队习惯于快节奏的时间表，同时始终致力于通过确保我们的合作伙伴取得成功。

Integrating Technology

Adapting long fiber technology to new applications and markets, especially when high performance engineering polymers or long carbon fiber reinforcement is required is our forte. It's all about those filaments of fiber and using them to achieve your performance requirements.

Our integrated approach overcomes metal-to-plastic conversion challenges by taking product design, material performance, and processing method into consideration to develop a custom solution that makes your product better.

Agility is one of our defining cultural characteristics; our team is used to working on fast-paced timelines while always remaining committed to obtaining our success by ensuring our partners succeed.

为成功而建

LFT-G[®] 坐落于美丽的鹭岛——厦门，总共12万平方英尺(12,000平方米)，包括我们的公司办公室，技术开发中心，复合颗粒制造和专属处理业务。我们以ISO 9001：2015认证的质量体系为指导。

Built For Success

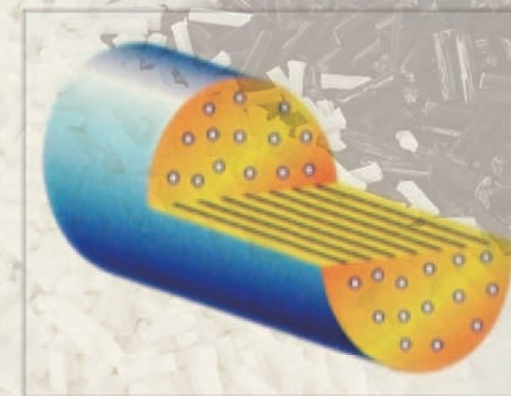
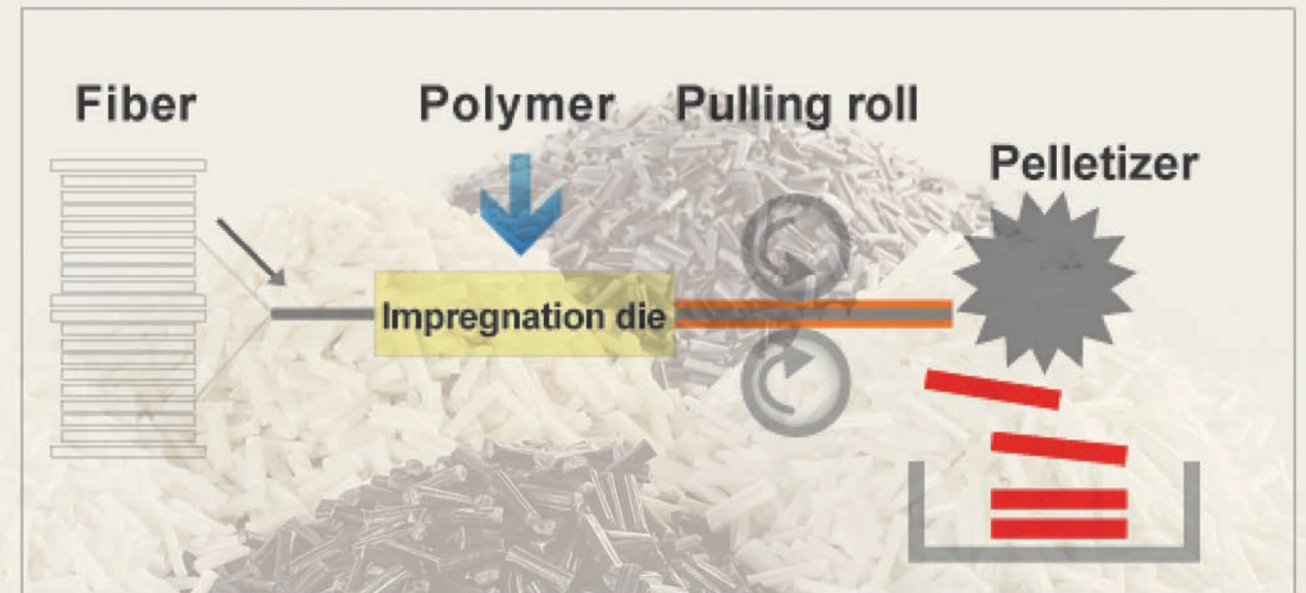
LFT-G[®] was set up in the beautiful city-Xiamen totaling 120,000 sq. ft. (12,000 m²) that comprise our corporate offices, technical development center, composite pellet manufacturing, and captive processing operations. We are guided by an ISO 9001: 2015 certified quality system.

厂容厂貌 Factory show



公司资质 Certification

流程图 manufacturing process



fibers in each pellet have the same length as that of each pellet.

A Pellet



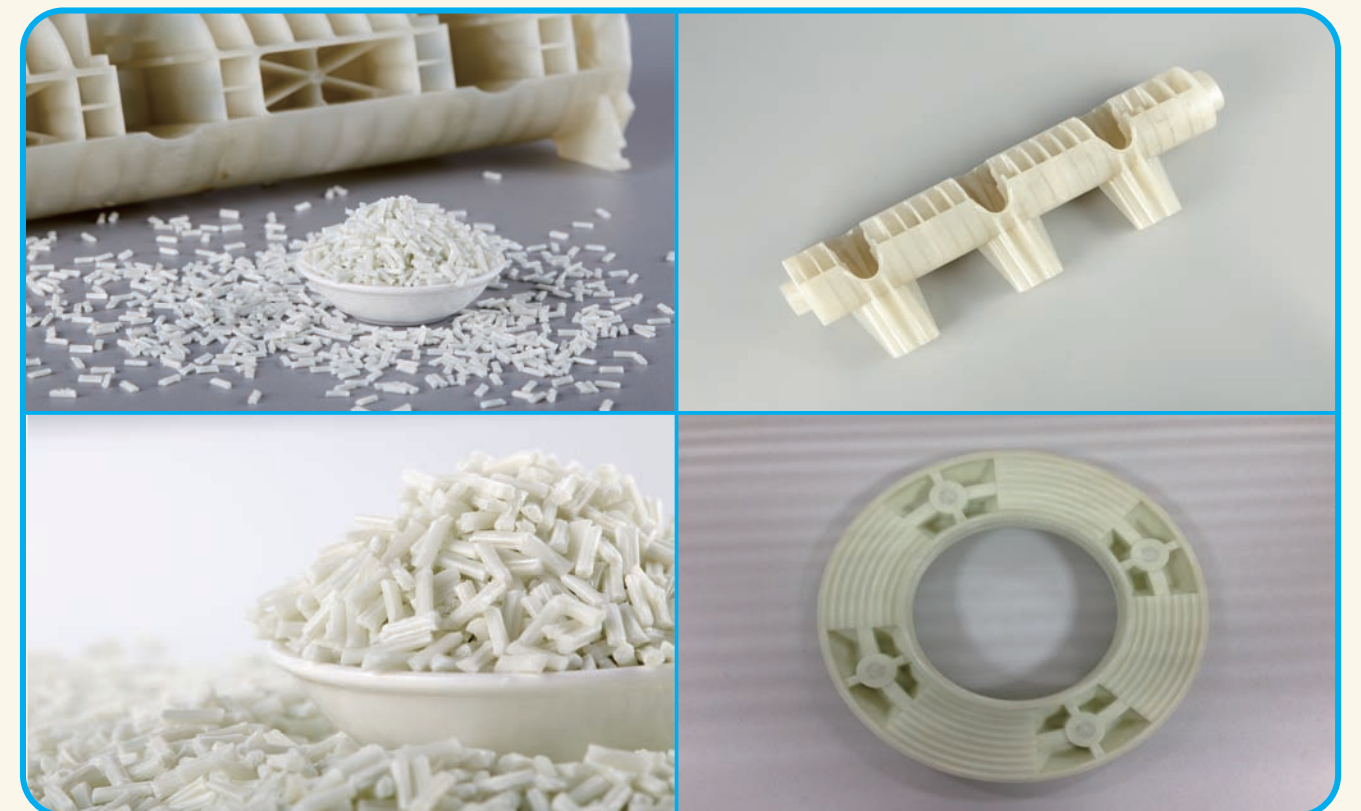
PP-LFT

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PP-NA-LGF10	极好等抗蠕变和耐疲劳、低翘曲性、化学偶联、高强度 Excellent anti-creep and fatigue resistance, low warpage Chemical coupling, high strength	汽车部件、洗衣机部件、水泵部件、水处理部件家具部件等 Car parts, washing machine parts, water pump parts, water treatment components, furniture parts, etc.
	20%	PP-NA-LGF20		
	30%	PP-NA-LGF30		
	40%	PP-NA-LGF40		
	50%	PP-NA-LGF50		
	60%	PP-NA-LGF60		
	70%	PP-NA-LGF70		
耐热级 Heat resistant grade	20%	PP-HR-LGF20	高强度、长期耐热耐老化 High strength, long-term heat and aging resistance	汽车前后减模块、水箱框架；蓄电池支架、发动机罩盖、天窗框架等 Car front and back module, water tank frame; battery bracket, engine cover, skylight frame, etc.
	30%	PP-HR-LGF30		
	40%	PP-HR-LGF40		
	50%	PP-HR-LGF50		
耐UV级 UV resistant grade	20%	PP-UV-LGF20	高强度、耐UV、长期耐热耐老化、良好等制品外观 High strength, UV resistance, long-term heat aging resistance, good appearance of products	汽车把手、后视镜部件、蓄电池外壳、卡车（SUV）外踏板等 Car handle, car mirror parts, battery case, truck (SUV) outside pedal etc.
	30%	PP-UV-LGF30		
	40%	PP-UV-LGF40		
	50%	PP-UV-LGF50		
增韧级 Toughen resistant grade	20%	PP-ST-LGF20	超高冲击强度(耐候耐低温) High impact strength (weather resistant low temperature)	电动工具、泵壳体、管件等 Power tools, pump shell, pipe fittings etc.
	30%	PP-ST-LGF30		
	40%	PP-ST-LGF40		
阻燃级 Flame retardant grade	20%	PP-FR-LGF20	高强度、无卤阻燃、高GWIT、高CT High strength, halogen-free flame retardant, high GWIT, high CT	电机外壳、线圈骨架、建材电器插座、公共场所座椅等 Motor shell, coil skeleton, building materials electrical outlet, public seats etc.
	30%	PP-FR-LGF30		
	40%	PP-FR-LGF40		



PA6-LFT

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PA6-NA-LGF10	高韧性（尤其在低温下）极好等抗蠕变和耐疲劳、低翘曲性 High toughness (especially at low temperatures) excellent anti-creep and fatigue resistance, low warpage	汽车、电子电器、运动器材、电动工具、高铁配件等 Automotive, electronic appliances, sports equipment, power tools, high-speed rail accessories
	20%	PA6-NA-LGF20		
	30%	PA6-NA-LGF30		
	40%	PA6-NA-LGF40		
	50%	PA6-NA-LGF50		
	60%	PA6-NA-LGF60		
	70%	PA6-NA-LGF70		
增韧级 Toughen resistant grade	20%	PA6-ST-LGF20	超高冲击强度、质地轻 High impact strength, light texture	适用于汽车、电子电器、运动器材、电动工具、高铁配件、齿轮等 Suitable for automotive, electronic appliances, sports equipment, power tools, high-speed rail accessories, gears etc.
	30%	PA6-ST-LGF30		
	40%	PA6-ST-LGF40		
阻燃级 Flame retardant grade	20%	PA6-FR-LGF20	高强度、无卤阻燃、高GWIT、高CT High strength, halogen-free flame retardant, high GWIT, high CT	适用于有阻燃要求的各种端子台、微型变压器线轴、电脑连接器开关插座组件等 Suitable for all kinds of terminal, miniature transformer bobbin, computer connectors, switch socket components and other parts with flame retardant requirements.
	30%	PA6-FR-LGF30		
	40%	PA6-FR-LGF40		



PA66-LFT

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PA66-NA-LGF10	高韧性、极好等抗蠕变和耐疲劳、低翘曲性 High toughness excellent anti-creep and fatigue resistance, low warpage	适用于汽车、电子电器、运动器材、电动工具、刀具手柄、高铁配件等 Suitable for automotive, electronic appliances, sports equipment, power tools, tool handles, high-speed rail accessories etc.
	20%	PA66-NA-LGF20		
	30%	PA66-NA-LGF30		
	40%	PA66-NA-LGF40		
	50%	PA66-NA-LGF50		
	60%	PA66-NA-LGF60		
	70%	PA66-NA-LGF70		
增韧级 Toughen resistant grade	30%	PA66-ST-LGF30	超高冲击强度、质地轻 High impact strength, light texture	适用于汽车、电子电器、运动器材、电动工具、高铁配件、齿轮等 Suitable for automotive, electronic appliances, sports equipment, power tools, high-speed rail accessories, gears etc.
	40%	PA66-ST-LGF40		
	50%	PA66-ST-LGF50		
	60%	PA66-ST-LGF60		
阻燃级 Flame retardant grade	20%	PA66-FR-LGF20	高强度、无卤阻燃、高GWIT、高CT High strength, halogen-free flame retardant, high GWIT, high CT"	适用于有阻燃要求的各种端子台、微型变压器线轴、电脑连接器开关插座组件等 Suitable for all kinds of terminal, miniatur transformer bobbin, computer connectors, switch socket components and other parts with flame retardant requirements.
	30%	PA66-FR-LGF30		
	40%	PA66-FR-LGF40		



PA12-LFT

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PA12-NA-LGF10	高强度，高韧性，耐腐蚀，抗氧化和耐用性 High strength, high toughness and durability	适用于汽车，运动型部件，太阳能，光伏产业等产业领域 Suitable for automotive, sports parts, solar energy, photovoltaic industry and other industries
	20%	PA12-NA-LGF20		
	30%	PA12-NA-LGF30		
	40%	PA12-NA-LGF40		
	50%	PA12-NA-LGF50		
	60%	PA12-NA-LGF60		
	70%	PA12-NA-LGF70		

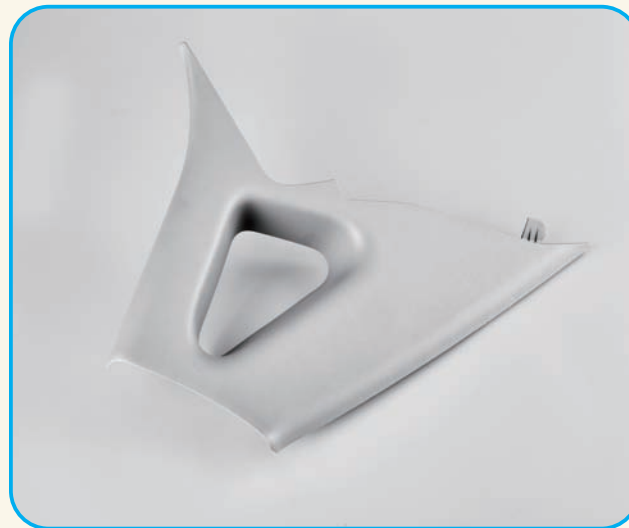


PBT-LFT

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PBT-NA-LGF10	高韧性、低翘曲 High toughness, low warpage	电子电器、机械配件等 Electronic appliances, machinery parts etc.
	20%	PBT-NA-LGF20		
	30%	PBT-NA-LGF30		
	40%	PBT-NA-LGF40		
	50%	PBT-NA-LGF50		
	60%	PBT-NA-LGF60		
70%	PBT-NA-LGF70			

TPU-LFT

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	TPU-NA-LGF10	高韧性、高刚性、低吸水性、高尺寸稳定性、耐化学腐蚀、良好制品外观 High toughness, high rigidity, low water absorption, high dimensional stability, chemical resistance, good product appearance	汽车门窗框、安全鞋头、机械配件、气钉枪枪盒、专业电动工具、螺母和螺栓等 Car doors and windows, safety toe, mechanical parts, pneumatic nail gun boxes, professional power tools, nuts and bolts, etc.
	20%	TPU-NA-LGF20		
	30%	TPU-NA-LGF30		
	40%	TPU-NA-LGF40		
	50%	TPU-NA-LGF50		
	60%	TPU-NA-LGF60		
	70%	TPU-NA-LGF70		



PPS-LFT

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PPS-NA-LGF10	高韧性、低翘曲、耐疲劳、良好的制品外观 High toughness, low warpage, fatigue resistance, good appearance of the product.	热水器的叶轮/泵壳/接头/阀门、化工泵叶轮/外壳、冷却水叶轮/外壳、家电零部件等 Water heater impeller / pump shell / joint / valve, chemical pump impeller / shell, cooling water impeller / shell, home appliances parts
	20%	PPS-NA-LGF20		
	30%	PPS-NA-LGF30		
	40%	PPS-NA-LGF40		
	50%	PPS-NA-LGF50		
	60%	PPS-NA-LGF60		
	70%	PPS-NA-LGF70		



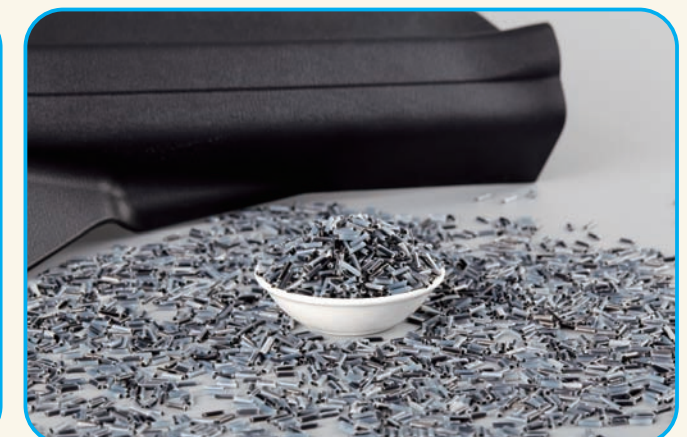
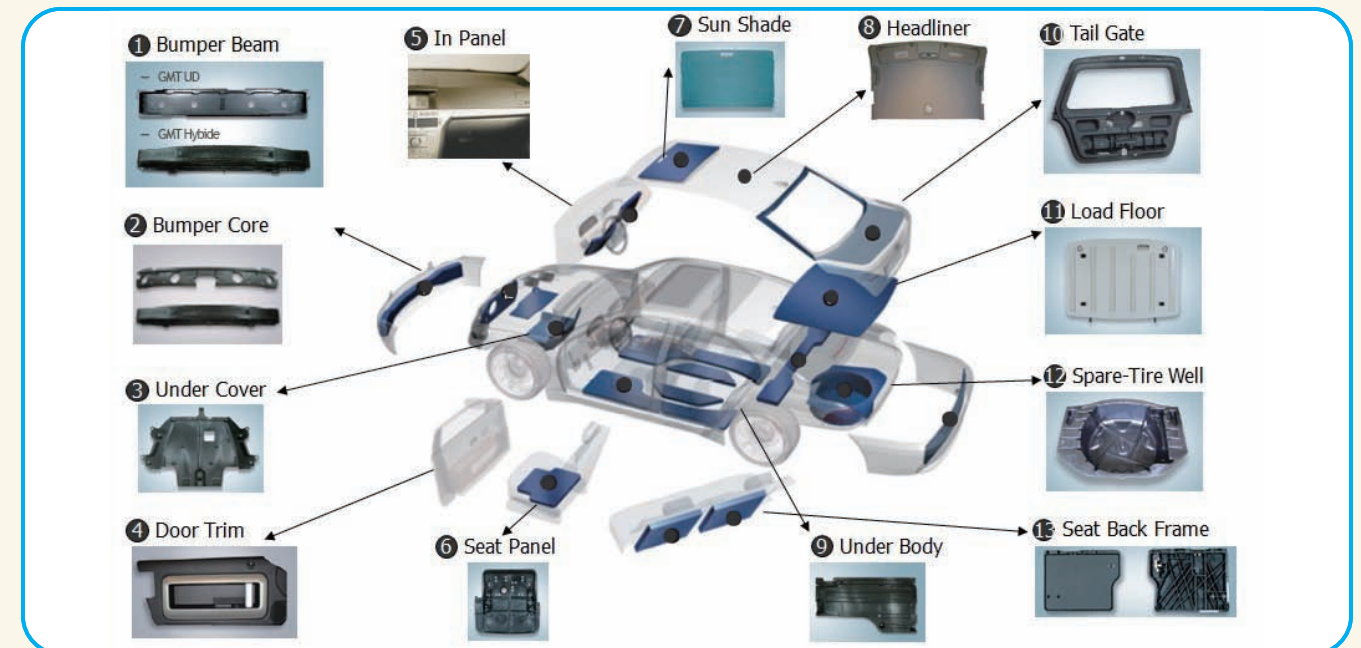
PPA-LFT

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PPA-NA-LGF10	高韧性、低翘曲 High toughness, low warpage	低压开关、断路器、机械配件、自行车配件等 Low voltage switches, circuit breakers, mechanical parts, bicycle accessories etc.
	20%	PPA-NA-LGF20		
	30%	PPA-NA-LGF30		
	40%	PPA-NA-LGF40		
	50%	PPA-NA-LGF50		
	60%	PPA-NA-LGF60		
	70%	PPA-NA-LGF70		



PP-LCF

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PP-NA-LCF10	高强度、高刚度、密度轻、可导电静电、屏蔽电磁信号 High strength, high stiffness, light density, can be conductive electrostatic, shielding electromagnetic signals	适用于汽车部件、医疗器械、电动工具、家电等领域 Suitable for automotive parts, medical equipment, power tools, home appliances and other fields
	20%	PP-NA-LCF20		
	30%	PP-NA-LCF30		
	40%	PP-NA-LCF40		
	50%	PP-NA-LCF50		
	60%	PP-NA-LCF60		



TPU-LCF

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	TPU-NA-LCF10	高强度、耐磨性、耐油、耐酸碱、抗压缩性 High strength, wear resistance, oil resistance, acid and alkali resistance, anti-compression	适用于不同的汽车零部件，包括汽车车身，内饰，发动机舱和底盘。 Suitable for different auto parts, including car body, interior, engine compartment and chassis.
	20%	TPU-NA-LCF20		
	30%	TPU-NA-LCF30		
	40%	TPU-NA-LCF40		
	50%	TPU-NA-LCF50		
	60%	TPU-NA-LCF60		

PA12-LCF

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PA12-NA-LCF10	高抗冲、耐高温、高耐热、良好的尺寸稳定性及低翘曲性 High impact resistance, high temperature resistance, high heat resistance, good dimensional stability and low warpage	适用于适用于汽车，运动型部件，太阳能，高端玩具等产业领域 Suitable for the automotive, sports parts, solar energy, high-end toys and other industries
	20%	PA12-NA-LCF20		
	30%	PA12-NA-LCF30		
	40%	PA12-NA-LCF40		
	50%	PA12-NA-LCF50		
	60%	PA12-NA-LCF60		

PA66-LCF

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PA66-NA-LGF10	高韧性、密度轻、高强度、耐磨损、耐腐蚀、抗蠕变、导电、传热 High toughness, light weight, high strength, wear resistance, corrosion resistance, creep resistance, conduction, heat transfer	适用于飞机的主机翼、鸭翼、稳定翼、短舱等航天工具 Suitable for the main wing of the aircraft, duck wing, stable wing, nacelle and other aerospace fields
	20%	PA66-NA-LGF20		
	30%	PA66-NA-LGF30		
	40%	PA66-NA-LGF40		
	50%	PA66-NA-LGF50		
	60%	PA66-NA-LGF60		

PPS-LCF

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PPS-NA-LCF10	高强度、耐酸碱、抗静电等 High strength, acid and alkali, anti-static etc	适用于耐热性好、高强度、耐酸碱、抗静电部件等 Suitable for heat resistance, high strength, acid and alkali, anti-static parts
	20%	PPS-NA-LCF20		
	30%	PPS-NA-LCF30		
	40%	PPS-NA-LCF40		
	50%	PPS-NA-LCF50		
	60%	PPS-NA-LCF60		

PA6-LCF

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PA6-NA-LCF10	高韧性、密度轻、高强度、耐磨损、耐腐蚀、抗蠕变、导电、传热 High toughness, light weight, high strength, wear resistance, corrosion resistance, creep resistance, conduction, heat transfer	适用于制造头盔、汽车防撞杠和机器人手臂等 Suitable for manufacturing helmets, car bumps and robotic arms etc.
	20%	PA6-NA-LCF20		
	30%	PA6-NA-LCF30		
	40%	PA6-NA-LCF40		
	50%	PA6-NA-LCF50		
	60%	PA6-NA-LCF60		

PPA-LCF

等级 Grade	填充规格 Filling Specifications	产品编号 Product number	产品特性 Feature	应用范围 Application range
通用级 General grade	10%	PPA-NA-LCF10	强度高、耐疲劳性、尺寸稳定性、蠕变也小 High strength, fatigue resistance, dimensional stability, creep resistance	适用于耐高温、抗静电、高强度部件等 Suitable for high temperature, anti-static, high-strength components
	20%	PPA-NA-LCF20		
	30%	PPA-NA-LCF30		
	40%	PPA-NA-LCF40		
	50%	PPA-NA-LCF50		
	60%	PPA-NA-LCF60		



LFT-G[®] 的团队拥有20年的综合知识，我们的设计，材料和过程工程师始终可以回答您的问题，我们的合作伙伴将在整个产品生命周期中为您提供支持。

我们不断从事新产品和流程研究，以新颖创新的方式扩展长纤维技术的性能包络和使用。

LFT-G[®] s team has a combined 20 years of composites knowledge, our design, material, and process engineers are always accessible to answer your questions and as our partner will be there to support you throughout your entire product life cycle.

We continually engage in new product and process research to expand the performance envelope and use of long fiber technology in new and innovative ways.

LFT-G[®]

开发设计部 (design development department) : TEL:86-592-5686730转804

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