Compofil®-PP 354

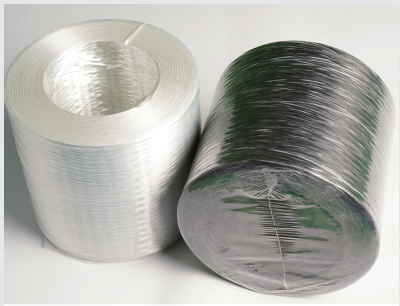
产品说明 *Product Description*

Compofil®-PP 是一种玻璃纤维涂覆 PP 树脂而成的高性能预浸料，可直接用来成型 PP 树脂复合材料，而不需要添加额外的树脂。

354 为 Compofil® 系列产品中的一款织物用纱。该产品适用的成型工艺包括模压、真空辅助成型，其应用领域涵盖汽车工业、建筑、体育器材、新能源等各个方面。

Compofil®-PP is a type of thermoplastic prepreg made from continuous fiberglass coated with PP resin. It is specially designed to manufacture high performance PP composite components directly with no need for extra resin.

354 is a Compofil® product for fabrics. It is suitable for various composite processes including compression molding, vacuum assisted molding, and pultrusion. Its application fields include automotive, construction, sports and new energy.



产品特点 *Product Features*

◎ 稳定的热塑性预浸料，自身浸渍优良
◎ 生产环境清洁，可回收，绿色环保
◎ 工艺周期短，生产效率高
◎ 玻璃纤维含量高

·Stable thermoplastic prepreg with excellent self-impregnation
·Environment-friendly production process and recyclability
·High productivity and short processing cycle
·High glass fiber content

规格代号 *Specification*

树脂类型 *Resin type*	*PP*	
典型玻璃纤维含量 *Typical fiber glass content (%)*	60	
典型线密度 *Typical linear density (tex)*	*800 / 1870*	
颜色 *Color*	本色N *Natural color*	黑色B *Black color*
示例 *Example*	*Compofil-PP-60-R-1870N-354*	

机械性能 *Mechanical Properties*

环境温度：23℃，环境湿度：50%。
制作工艺：模压制板。
Environmental Temperature: 23℃,Hunmidity: 50%.
Compression molding.

机械性能 *Mechanical properties*	单位 *Unit*	实验值 *Value*	树脂 *Resin*	测试方法 *Test menthod*
玻璃纤维含量 *Fiber glass content*	%	60	PP	GB/T 2577
拉伸强度 *Tensile strength*	MPa	620	PP	ISO 527-5
拉伸模量 *Tensile modulus*	GPa	33	PP	ISO 527-5
弯曲强度 *Flexural strength*	MPa	390	PP	ISO 178
弯曲模量 *Flexural modulus*	GPa	25	PP	ISO 178
缺口冲击强度 *Notched impact*	kJ/m^2	370	PP	ISO 179

由于加工工艺的问题，该测试数据仅供参考。
The above values may vary due to processing differences, and thus should be taken as reference only.

使用说明 *Instructions*

◎ 本产品在12个月内使用最佳，使用前应保存在原包装内。
◎ 产品使用时注意防护，避免产品擦毛、损伤等情况。
◎ 使用前调理纱线的温湿度与环境温湿度平衡，使用时对环境温湿度进行适当控制。

·The product is best used within 12 months after production, and should be kept in the original package before use.
·Care should be taken when using the product to prevent it from being scratched or damaged.
·The temperature and humidity of the product should be conditioned to be close or equal to the ambient temperature and humidity before use, and the ambient temperature and humidity should be properly controlled during the use.

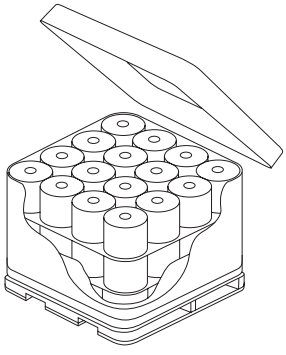
包装信息 *Packaging*

项目*Item*	单位*unit*	指标*Standard*	
典型包装方式 *Typical packaging method*	/	采用托盘包装 *Packed on pallets.*	
典型纱团高度 *Typical package height*	*mm (in)*	*260 (10.2)*	
纱团内径 *Package inner diameter*	*mm (in)*	*160 (6.3)*	
典型纱团外径 *Typical package outer diameter*	*mm (in)*	*275 (10.8)*	
典型纱团重量 *Typical package weight*	*kg (lb)*	*10 (22.0)*	
层数 *Number of layers*	层 *(layer)*	*3*	*4*
每层纱团个数 *Number of packages per layer*	个 *(pcs)*	*16*	
每托纱团个数 *Number of packages per pallet*	个 *(pcs)*	*48*	*64*
每托重量 *Net weight per pallet*	*kg (lb)*	*480 (1058.2)*	*640 (1411.0)*
托盘长度 *Pallet length*	*mm (in)*	*1140 (44.9)*	
托盘宽度 *Pallet width*	*mm (in)*	*1140 (44.9)*	
托盘高度 *Pallet height*	*mm (in)*	*940 (37.0)*	*1200 (47.2)*

贮 存 *Storage*

在没有特殊要求的情况下，玻璃纤维产品应贮存在干燥、阴凉的地方，防止受潮。最佳存储条件为温度 -10℃～ 35℃, 相对湿度≤80%。为确保安全，避免损坏产品，托盘的堆码高度不应超过三层。当堆放两层或三层高时，要求正确地、平稳地移动上面的托盘。

Unless otherwise specified, the fiberglass products should be stored in a dry,cool and moisture proof area.The best temperature and humidity should be maintained at -10℃~35℃ and ≤80% respectively. To ensure safety and avoid damage to the product, the pallets should be stacked not more than three layers high. When the pallets are stacked in two or three layers, special care should be taken to correctly and smoothly move the upper pallet.



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