

We Are Ready For You, Let Us Push Boundaries All Around The World

我们已经为你们做好了准备, 让我们在世界各地括展技术边界

**High - Pressure Resistance
pre-impregnated
Fiberglass tape**

管道耐压预浸渍玻纤带

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Welcome to Next Level Glass Fibre Tape

The dispersion of glass fibre filaments in the glass fiber tape is more even. We use a special impregnation process to make each glass fibre filament in the fiberglass tape is more evenly dispersed in the matrix resin, which avoiding the probability of agglomeration between the glass fibre filaments. The effect of this technology is especially prominent after the secondary heating and melting.

0.4 mm Max Tape Thickness

The thickness of fiberglass tape is adjustable with 0.5mm for each class, the max fiberglass tape thickness can be reached to 0.4mm.

16 μm Glass Fibre Raw Material

We use glass fibre with an average diameter of 16 microns as the raw material, which is thinner than the usual glassfiber tape (over 20μm). It can make the glassfiber tape stronger, and improves the compatibility between the glass fiber tape and the resin.

Tomorrow's Continuous Fiberglass Tape

Banline fiberglass tape is continuous fibre reinforcement pre-preged with PE resin, which is made of glass fibre thermoplastic matrix. This type of the tape is used in continuous fiberglass reinforced thermoplastic composite pipe (CFTCP/RTP).

欢迎了解 全新一代 玻纤带技术

玻纤丝在玻纤带中的分散更加均匀。我们采用特殊的浸渍工艺, 使得玻纤带中的每根玻纤丝在基体树脂中的分散更均匀, 避免了玻纤丝之间发生团聚的概率, 这种技术的效果尤其在二次加热熔融后更加突出。

0.4 mm 最大 可缠绕玻纤带厚度

玻纤带可按照0.5mm的规格进行调整, 最大玻纤带厚度可以达到0.4mm.

16 μm 玻纤丝 作为玻纤带的原材料

单根玻纤丝更细。我们采用平均直径为16微米的玻纤丝作为原材料, 比通常 (20μm以上) 玻纤带中玻纤丝更细, 这可以使玻纤带的增强效率更高, 同时可以改善玻纤带与树脂之间的相容性.

连续玻纤带 技术完整解决方案

邦临玻纤带是用热塑性玻璃纤维为基体, 经聚乙烯树脂预浸而成的连续纤维增强带。这种带材用于连续玻璃纤维增强热塑性复合管(CFTCP/RTP)。

360mm Width Single Piece of Wrappable Tape

Max continuous Wrappable fiberglass tape can be up to 360mm. Banline made fiberglass tape width range is from 90 mm - 360 mm.

360mm 单片可缠绕玻纤带

可连续缠绕的玻璃纤维胶带最大可达360毫米。
Banline制作的玻璃纤维胶带宽度范围从90毫米到360毫米。



Banline Fberglass Advantages

- Top-class epoxy resin content, maximizing reinforcement performance.
- Step forward to perfect surface finish, which leads to highest performance of fibre reinforcement material .

ECO-Friendly

- 100% recyclable for circular economy.
- Longer life time value.
- Sustainable leads to protect environment to save more CO2.

Increased Special Formula. Keep It More Quality

The matrix resin adopts the special formula to increase fusion quality between the glass fiber tape and the pipe material more firmly, which ensure that under long-term pressure, there is no delamination between each layer of the glass fiber tape and the pipe material, which can prolong the service life of the pipe material.

Special surface treatment technology for glass fibre. This special glass fibre surface treatment technique improves the orientation of the glass fibre in the matrix resin and enhances the epiphytic crystallization of the matrix resin on the glass fiber surface. This special structure can effectively conduct the stress, which has better glass fibre reinforcement performance.

邦临玻纤带优势

- 顶级环氧树脂含量，最大化增强性能
- 进一步提高表面光洁度，使纤维增强材料的性能达到最高水平

自然环保

- 循环利用，实现循环经济
- 更长的使用时间
- 可持续引领环境保护,减少更多的二氧化碳

提升配方保持高质量

基体树脂采用了特殊配方，使得玻纤带与管道料之间融合更牢，保证了在长期压力作用下，玻纤带不同层之间，玻纤带与管道料之间不脱层，可以延长管材的使用寿命。

对玻纤丝进行特殊的表面处理技术。这种特殊的玻纤丝表面处理技术提高了玻纤丝在基体树脂中的取向度，并增强了基体树脂在玻纤丝表面的附生结晶作用。这一特殊结构的形成对二者之间界面强度有比较明显的提升效果，可以有效将应力进行传导，从而更好的发挥了玻纤丝的增强作用。

12,000m

单卷玻纤带长度
Tape Length Per Roll

Technical Data			技术指标
Property 项目	Unit 单位	Indicator 指标	Testing Method 试验方法
Tape Appearance Quality 带材外观质量	--	The resin evenly impregnates the fiber surface. Fiber surface is smooth, no glassfiber exposed, not wrinkles, no bubble, no obvious scratches, impurity, and other harmful defects. 树脂均匀浸渍纤维表面，表面光滑平整，无纤维外露，无褶皱，无气泡，无明显划伤，无杂质等缺陷。	Visual 目测
Width 宽度	mm	The deviation from the nominal value of the product does not exceed ± 1mm (the width range is generally 50-700mm) 与产品标称值的偏差不超过±1mm（宽度范围一般为50-700mm）	--
Thickness 厚度	mm	The deviation from the nominal value of the product does not exceed ± 0.05mm (the thickness range is generally 0.2-1mm) 与产品标称值的偏差不超过±0.05mm（厚度范围一般为0.2-1mm）	--
Tensile Strength 拉伸强度	Mpa	≥700	ISO527-3:2012
Glass Fiber Content 玻纤含量	%	≥60	ASTM D5630