

风电基础专用 螺旋型聚乙烯醇纤维

Spiral polyvinyl alcohol fiber for wind power

The fiber has high strength and good dispersion properties, is harmless and non-toxic, and has the characteristics of anti-corrosion, anti-insects, sunlight resistance and so on.



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concrete disease control

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Spiral Polyvinyl Alcohol Fiber for Wind Power Foundation is a high-strength and high-modulus fiber made of polyvinyl alcohol as the main raw material by dissolving, spinning, heat-setting, cutting and packing. The product has the advantages of high strength, high modulus, low elongation, good dispersion, and has the characteristics of resistance to acid, alkali, salt, abrasion, sunlight, corrosion, insect moths, etc., and has better affinity with cement, which can be applied to a variety of reinforcing materials, and is widely used in building materials, safety nets and industrial textiles.

适用范围

Scope of application

Wind power foundation, roads, bridges, highways, dams, pools, parking lots, aircraft runways and aprons and other concrete pouring; coastal beaches, dams, saline and alkaline zones, chemical corrosion sites, concrete components, urban art sculpture, pre-stressed concrete pipes, plates.



产品特性

Product features

- ◆ Appearance: White color.
- ◆ It has very good mechanical properties with high strength, high modulus and low elongation. Acid and alkali resistance, chemical resistance are better than man-made synthetic fiber, polyester and other fibers
- ◆ Light resistance: in a long time under the sun, the fiber strength loss rate is much lower than other fibers.
- ◆ Corrosion resistance: fibers buried in the ground for a long time without mold, rot, insect moth.
- ◆ Fiber has good dispersibility: fiber is not sticky, good dispersibility in water.
- ◆ Fiber and cement, mortar and other good affinity, bonding strength is better than polypropylene, nitrile, polyester and other fibers, non-toxic and harmless to humans and the environment.

性能指标

GB/T21120-2018 Synthetic Fibers for Cement Concrete and Mortar

Performance metrics

Item	Technical index
Breaking strength(MPa)	1650
Elongation at break(%)	≤15
Crack reduction coefficient(%)	≥75
Dosage(kg/m ³)	0.9

注意事项

Precautions

- ◆ According to the design adding quantity and each time mixing concrete square, weigh the fiber accurately, it is suggested that the general adding quantity is 0.9-2.0kg/m³.
- ◆ Sand + stone + water.
- ◆ Random sampling after mixing, such as fiber has been evenly dispersed into monofilament, the concrete can be put into use; if there are still bundles of fibers, you should extend the mixing time 30-60S, can be used.
- ◆ Add fiber concrete with ordinary concrete construction and maintenance process is exactly the same. Concrete + fiber (mixing after 30-60S) + water (mixing to completion); can also be added to the fiber in the water mixing dispersion, and then added to the mixer and other materials and mixing.

包装贮存

Packaging and storage

Packed in composite bag, net weight 10kg/bag; stored in dry and ventilated room with sealed bag.