



Technical Data Sheet

Item No.: PP FIBER

Product Overview

Polypropylene Fiber (PP Fiber) is a synthetic monofilament reinforcing fiber designed for concrete, dry-mix mortar, cement screed, plaster, render and other cement-based construction materials. When uniformly dispersed in the mixture, the fibers form a three-dimensional reinforcing network that helps control plastic shrinkage and early-age microcracking. PP Fiber also contributes to improved impact and abrasion resistance, material integrity and long-term durability.

Application performance

Desc	Level of improvement
Crack resistance	high
Shrinkage control	high
Impact resistance	good
Abrasion resistance	good
Material integrity	good

Recommended Applications

Recommended for concrete, cement screed/floor screed, dry-mix mortar, cement plaster/render, repair mortar and waterproof mortar. Different fiber lengths can be selected according to layer thickness, aggregate size and application requirements.

operating guide

1. Add PP Fiber together with the dry components or aggregates and mix sufficiently to ensure uniform fiber dispersion.
2. The appropriate addition level should be determined according to the formulation, application and required crack-control performance.
3. After uniform dry dispersion, add the specified amount of water and continue mixing until a homogeneous mixture is obtained.

Typical Data

Desc	Range
Material	100% Polypropylene
Appearance	White monofilament fiber
Fiber length, mm	3 / 6 / 9 / 12
Density, g/cm ³	Approx. 0.91
Tensile strength, MPa	>=450
Elongation at break, %	15-25
Melting point, C	160-170
Acid & alkali resistance	Excellent

* The data listed above are typical values for the product series and should not be taken as an indication of a specific grade specification. Final values should be confirmed by the corresponding product COA.

Packing/Storage&Transportation;/Shelf Life

Standard Packing

20kg/Bag

Keep the package sealed and dry. Protect from moisture, direct sunlight, high temperature and mechanical damage during storage and transportation.

Shelf Life

Keep in dry and cool conditions for at least 12 months. If the product is stored beyond its shelf life, tests should be carried out to determine quality before use.

product safety

Handle in accordance with good industrial hygiene practice. For further information, see the Product Safety Data Sheet.

The above information and recommendations are based on our current experience and are for reference only. It does not exclude the responsibility of users to conduct their own tests.