



## TDS of Polyfiber™ Polypropylene Fiber

\* **Polyfiber™** is our registered trademark of fibers.

### Introduction:

With polypropylene as its raw material, this fiber is produced by special technology, the products have net-like structure with many fiber monofilaments, when the fiber is put into the concrete, the horizontal structure in fiber monofilament can be destroyed in the course of stirring owing to friction and rubbing, and the fiber monofilament or net like structure will fully stretch, thus the concrete is reinforced by a great number of polypropylene fibers.

### Product Specifications:

Item	Value
Density(g/cm <sup>3</sup> )	0.91+ 0.01
Appearance	White net-like structure or monofilaments
Equivalent Diameter (μm)	15-40
Cut Length (mm)	3-20, or tailored cut
Tensile Strength (MPa)	≥560
Elastic modules (MPa)	> 3500
Crack elongation (%)	> 10
Acid& Alkali resistance	Strong
Electrical conduction	Low
Water absorbency	No
Hot conduction	Low
Melting point(°C)	160-180

### Benefits& Application:

- Good dispersion, no fascicles, strong toughness and strength
- Improve concrete crack resistance, like concrete road, bridge, airport road and factory floor which strictly require cracking resistance.
- Improve permeability of concrete, like walls of tunnels, mines, roofs and reservoir projects with special construction, river courses and dams, and so on.
- Improve durability of concrete and aging resistance
- Improve the impact, folding resistance, fatigue resistance, and seismic resistance
- Improve the fire performance of concrete



**Storage:**

It should be stored in a cool and dry place and avoid humidity.

**Package:**

In 20/24kg PP woven bags with inner separate bag, or packing on clients' request.

Henan Botai Chemical Building Materials Co., Ltd.  
Add: No. 3, Xiangsheng Street, Zhengzhou, China  
Tel: +86-371-55988201 / Fax: +86-371-55988202  
Email: [info@botaichem.net](mailto:info@botaichem.net) / Web: [www.botaichem.net](http://www.botaichem.net)

