



SHANDONG FORWARD NEW MATERIAL TECHNOLOGY CO., LTD.
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FWD-01PP

Polypropylene Fiber

PP fiber FWD-01PP is made by 100% virgin polypropylene, adopting unique manufacturing process to make high strength bundle monofilament fiber. when the fiber is put into the concrete/mortar, it can effectively control concrete/mortar micro-cracks which is caused by plastic shrinkage, temperature changes and other factors, to prevent and inhibit the formation and development of cracks, greatly improved crack resistance of concrete, impact resistance and seismic capacity.

Technical Data

Property	Value	Unit
Material	Polypropylene	
Appearance	White monofilament	
Diameter	32	μm
Acid&Alkali resistance	Strong	
Water-absorbency	No	
Electrical conduction	Low	
Hot conduction	Low	
Density	0.90±0.01	g/cm ³
Elastic modulus	>3500	Mpa
Crack elongation	>10	%
Tensile strength	≥450	Mpa
Melting point	160-180	°C
Length	3mm, 6mm, 9mm, 12mm, 15mm, 18mm	

Key properties

- *Increase seepage resistance
- *Prolong endurance
- *Improve steel protection





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FWD-01PP

Polypropylene Fiber

- *Increase cracking resistance
- *Increase fire resistance
- *Strengthen spurt & fatigue
- *Improve tensile, bending & folding strength
- *Improve plastic deformity
- *Strong acid & alkali resistance and good endurance

Applications

- *Dry mix mortar
- *Projects like concrete road, bridge, airport road and factory floor which strictly require cracking resistance.
- *The wall of tunnels, mines, roofs and reservoir projects with special construction.
- *River courses and dams, etc.
- *Military defense works, dock banks and piers, etc.

Packaging

Standard Packing: inner is 1.0kg PE small bag, outer is 20kg woven bag.
Big Bag or other special packages are possible on request.

Storage and Shelf Life

To be stored in its closed original packaging, keep cool and dry, avoid humidity

