

POLYPROPYLENE MESH FIBER

The polypropylene as its raw material, this PP fiber mesh is produced by special technology. The products appear net-like structure with many monofilament fiber connected. When the fiber is put into the concrete, the horizontal netted structure can be destroyed in the course of stirring owing to friction and rubbing, and the netlike structure formed by monofilament fiber will fully stretch, thus the concrete is reinforced by a great of the monofilament polypropylene fibers



★TECHNICAL PARAMETER

Shape	Net-like Beam	Equivalent Diameter	100±50 μm
Tensile Strength	> 500MPa	Length	12mm-20mm
Crack Elongation	≥10%	Melting Point	160°C-170°C
Elastic Modulus	> 4000MPa	safety	non-poisonous
Density	0.91 g/cm ³ ±0.01	Resistance to Acid Alkali	Strong

★FUNCTION AND FEATURES IN CONCRETE

- When the fiber is put into the concrete, the horizontal netted structure can be destroyed in the course of stirring, owing to friction and rubbing, and the netlike structure formed by monofilament fiber will fully stretched, so the numerous monofilament fibers effectively prevent the appearance of concrete cracks
- PP fiber mesh can effectively control the micro cracks caused by the plastic shrinkage, the dry shrinkage and the temperature variation

★PACKAGE

- 0.9kg or 1kg/small plastic bag, then 25kg/big woven bag
- 200kg/big woven bag
- Making the packing according to the customer request.

★SUGGESTED DOSAGE

- For concrete and mortar: 0.9kg/M³.The length advised 19mm for cement concrete and the length advised 12-15mm for mortar.
- For Bridge pavement:1.8kg/M³,the advised length 19mm.

★APPLICATION

Concrete road pavement, Bridge pavement engineering, Airport runway and industry floor, The tunnel wall surface, The wall surface of the underground mine and roofing plate, The river channel, Dam, and the impounding reservoir.

★CONSTRUCTION CRAFTS

- Adding the fibers before, after or meanwhile other mixture, all are ok.
 - Priority to use the biaxial horizontal forced mixers, also using tumbling-type mixer or other types mixers.
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- The stirring time is longer a little than common concrete, usually longer 2-3 minutes.
- The maintenance processes of concrete mixed fibers is the same with the common concrete.

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