

Product

EESF<sup>®</sup> Polypropylene Fiber

Type

Monofilament micro fiber

Tensile Strength

467 - 548 MPa



*Experts in Fibers Reinforced Concrete*

**EGYPTIAN**

**EUROPEAN**

*Steel Fiber*



# Product Data Sheet

## EESF® Polypropylene Fiber

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Fiber House

EESF  
S.A.E

### Product Description

EESF® Polypropylene Increased Reliability And Maximized Service Life For Concrete Linings Fibers improve the crack resistance of concrete structures, making them safer and more reliable over the entire span of service life. They are easy to use and can be directly mixed into concrete, eliminating the time and effort needed to transport and install traditional mesh.

### Advantages

- Reduce Plastic Shrinkage Cracks
- Reduce Plastic Settlement
- Reduce Bleeding & Significant lower brittleness
- Alternative to Crack Control Mesh
- Reduce Water & Chemical Permeability
- Reduce Explosive Spalling in Fire Increased Abrasion Properties
- Increase Impact Resistance
- Improve Freeze/Thaw Resistance

### Usage

- Repair Mortars
- Plaster Applications
- Construction Chemicals
- Screed Concrete
- Shotcrete
- Tunnel Applications
- Residential Buildings
- Industrial Floors
- Pre-cast Applications

### Dosage

Recommended dosage ( 0.44 - 1.8 kg/m<sup>3</sup> ) according to ACI 2010



### Packing

0.9 Kg of fibers is packed in either plastic bags  
Fibers can also be ordered in bulk quantities and packed in bag of 20 Kg.

### Specification Compliance

EESF® Polypropylene Fiber

is manufactured according to EN ISO 9001 standards and has full British Board

### Product Data

Composition	100% virgin polypropylene.
Type	Monofilament micro fiber.
Impurity	First class pure polypropylene without olefin, polyamide, nylon.
Cross Section	Circular
Standard	EN 14889 Part II Type 1A, ASTM C1116 Type III
Tensile Strength	467 - 548 MPa
Length	6 - 8 - 12 - 16 - 18 mm
Elastic Modulus	4048 - 5674 MPa
Elongation	20 - 25%
Specific Weight	0.91 gram / cm <sup>3</sup>
Durability	6.5 - 7.0 gr / Denier - High Strength
Color	Transparent
Melting Point	160 C
Number of Fibers	120 million+ / kg
Chemical Resistance	Transparent
Water Absorption	N/A - Hydrophobic



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## Applications



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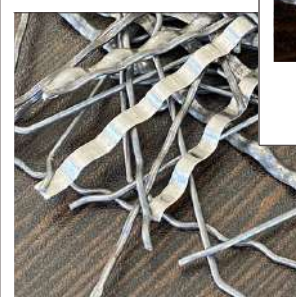
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(+202) 230 623 06  
(+20) 101 5101 101  
(+20) 101 2526 241  
info@eesf-fiber.com  
www.eesf-fiber.com

