

Product

EESF® 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



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

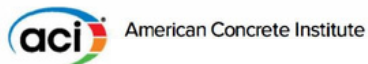
- Reduce Plastic Shrinkage Cracks
- Reduce Plastic Settlement
- Reduce Bleeding & Significant lower brittleness
- Alternative to Crack Control Mesh
- Reduce Water & Chemical Permeability
- Reduce Explosive Spalling in Fire Increased Abrasion Properties
- Increase Impact Resistance
- Improve Freeze/Thaw 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/m³) 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 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 ³
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



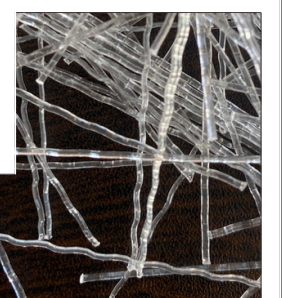
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