

Product

Polypropylene Fiber

Type

6 ,12,18 mm

Tensile Strength

467 - 548 MPa



EGYPTIAN EUROPEAN STEEL FIBER

Technical 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

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 - 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

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 EN ISO 9001 standards and has full British Board





CERTIFICATE

Certificate of Registration

TEAM QUALITY MANAGEMENT SYSTEMS

This is to Certify that the Quality Management System of

EGYPTIAN EUROPEAN FOR MANUFACTURING STEEL FIBER

Villa 306, Al Yasmine 6, 5th Settlement New Cairo, Cairo – Egypt.

Has been found to be of the Quality Management System Standard

ISO 45001:2018

(Occupational Health and Safety Management Systems)

This certificate is valid for the following product or service range

Manufacture of Steel Fiber for Ready- Mix Concrete

Certificate No. : TQO24100601

Date of initial registration	06-10-2024
Date of this certificate/Issue No.	06-10-2024
Certificate Expiry	05-10-2025
Recertification Due	05-10-2027



*After successful completion of Annual Surveillance Audit, New certificate will be issued.

This Certificate is valid per Rules and Regulations of TQ & also the surveillance audits conducted atleast once a year
To check the certification validity please visit our website- www.tq.com.eg or contact at- info@tq.com.eg



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Accreditation by EGAC Kornish El-Maadi, Riad El-Maadi Tower 1 - Cairo - Egypt



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ISO 9001:2015 (Quality Management System)

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ISO 14001:2015

(Environmental Management System)

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