

POLYPROPYLENE MESH FIBER

TECHNICAL DATA SHEET



Dawnview™ Polypropylene Mesh Fiber is manufactured using polypropylene fiber material, forming a mesh-like fiber structure. This mesh fiber possesses high strength, flexibility, and outstanding tensile properties. It is widely used as a reinforcement material in civil engineering, geotechnical engineering, and soil stabilization projects. The Polypropylene Mesh Fiber enhances the tensile strength of soil, disperses loads, improves soil stability, and provides resistance against impacts.



PERFORMANCE

- **Enhanced tensile strength:** The Polypropylene Mesh Fiber provides superior tensile strength to reinforced materials, offering increased structural stability and load-bearing capacity.
- **Flexibility and adaptability:** This fiber exhibits excellent flexibility, allowing it to conform to different shapes and surfaces during reinforcement applications.
- **Improved crack resistance:** The Polypropylene Mesh Fiber effectively controls and restricts crack propagation in concrete and other construction materials, enhancing their durability.
- **Reinforcement efficiency:** This fiber provides uniform distribution and optimal reinforcement, minimizing the risk of localized stress concentrations and enhancing overall structural performance.
- **Easy installation:** The Polypropylene Mesh Fiber is easy to handle, cut, and install, making it a convenient choice for various construction projects.

APPLICATIONS

- **Civil Engineering:** Controls soil cracks, soil retention, and slope reinforcement.
- **Building Construction:** Prevents wall cracks, waterproofs roofs, and reinforces protective layers.
- **Agriculture and Horticulture:** Covers greenhouses, retains soil moisture, and protects plant root systems.
- **Environmental Engineering:** Covers waste, filters water bodies, and facilitates soil remediation.
- **Sports Facilities and Parks:** Reinforces and maintains artificial turf, tracks, and sports fields.

TECHNICAL DATA

Type:	Mesh Fibrillated Fiber
Tensile Strength:	≥650MPa
Elastic Modulus:	>5000MPa
Melting Point:	160-170°C
Elongation at break:	0.91 (±0.01%) g/cm ³
Acid&Alkali Resistance:	Excellent
Size:	3-19mm

For more information please contact us info@dawnviewgeo.com

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