

Technical Data Sheet

POLYPROPYLENE FIBERS Flat Cross-Section Product Code Prefix: PPFLM or PPMAN

General Description: Polypropylene is a manufactured fiber in which the fiber-forming substance is a long-chain synthetic polymer composed of at least 85% by weight of propylene units. This flat cross-section fiber has been specially developed to stabilize soil with or without turf. Available in white or tan color.

Standard Fiber Thickness: 35 μ m

Standard Cut Lengths: 18mm
Other lengths may be available by special order.

Maximum Load: 340-500 MPa

Elasticity: 8.5-12.5 GPa

Specific Gravity: 0.91 g/cm³

Average Moisture Absorption: <0.1%

Effects of Heat: Softens at ~145°C /~293°F. Melts at ~168°C /~335°F.
Decomposes at ~288°C /~550°F.

Performance Characteristics: When this fiber is mixed with soil, it will increase the porosity of the soil, providing rapid drainage, high flexibility, and an increase in load bearing capacity.

Other Characteristics: One of the lightest of all fibers. Not attacked by microorganisms, mold or mildew. Substantial resistance to acids and alkalis and most organic chemicals. Low thermal conductivity. Very little tendency to acquire static charge.

Packaging: Standard packaging is corrugated boxes with polyethylene liners.
Other packaging available upon request.

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