

Product Information

SPECTER® FIBER

Monofilament Fiber Reinforcement

PRODUCT DESCRIPTION:

SPECTER® Monofilament Concrete Fibers are manufactured from 100% homopolymer, polypropylene resin, containing no reprocessed olefin materials, and in compliance with ASTM C-1116 "Standard Specification for Fiber-Reinforced Concrete and Shotcrete." **SPECTER®** Concrete Fibers are specifically engineered for use in concrete as secondary reinforcement and for the purpose of controlling plastic shrinkage and settlement cracking.

PRODUCT BENEFITS:

- Excellent finishability
- When mixed according to ASTM C94, fibers are always positioned properly
- Reduces the formation of plastic shrinkage cracking in concrete
- Improves impact, shatter and abrasion resistance
- Enhanced durability and toughness
- Reduces permeability

†PHYSICAL PROPERTIES:

| | | | |
|-----------------------------|-------|------------------------------------|-----------|
| Specific Gravity..... | 0.91 | Ignition Point | 590°C |
| Melt Point | 160°C | Water Absorption | Excellent |
| Modulus of Elasticity | Nil | Chemical & Alkali Resistance | Excellent |

Available Fiber Cut Lengths: 1/2", 3/4" and Blends.

PRODUCT APPROVALS:

1. Manufactured to UL specifications for Floor-Ceiling Assembly Fire Classifications:
Underwriters Laboratories (UL) on series D700 and D800 metal desk assembliesFile#R20804
2. Manufactured to the requirements ofASTM C-1116 Type 111 4.1.3.
3. Dade County Approval.....Acceptance#99-0112.01

MANUFACTURER'S RECOMMENDATIONS:

SPECTER[®] Monofilament Concrete Fibers should be added at a dosage rate of 0.1% by volume, unless otherwise specified. **SPECTER**[®] Concrete Fibers are packaged in pre-measured, ready for concrete, degradable bags, designed to be introduced into the mix at any time before, during or after the Ready-Mixed Concrete. PGI recommends proper mixing procedures as specified in ASTM C 94.

DOSAGE RATES: Monofilament fibers, 7 dpf..... 1.0lbs./Yd³ ≥ (0.6 kg m³ ≥)

PLACEMENT AND FINISHING:

PGI recommends that the standard practices detailed in ACI 302 for placing, finishing and curing concrete be followed when using **SPECTER**[®] Concrete Fibers.

PGI hopes the information given herein is helpful. All information is based on test data and knowledge considered to be true and accurate, and is offered for the user's consideration, investigation and verification.

ARCHITECTURAL SPECIFICATION:

Use only 100% homopolymer, monofilament polypropylene fibers, specifically engineered and manufactured for use in concrete as secondary reinforcement (**SPECTER**[®], **SPECTER**[®] **MULTI-PLUS**). Fibers are for the control of cracking due to drying shrinkage, thermal expansion and contraction, lowered permeability, increased impact, abrasion and shatter resistance. Fiber manufacturer must be in compliance with applicable building codes and ASTM C-111, Type III, 4.1.3. Fibrous concrete reinforcement as manufactured by Polymer Group, Inc., 701 E. Ave. A, Kingman, Kansas, USA, 67068. Phone: (800) 821-4391, Fax: (620) 532-2571.

†WARRANTY AND LIMITATION OF LIABILITY:

Product sold hereunder is of merchantable quality and conforms to seller's standards and specifications. Seller's sole liability for claim shall be limited to replacement of defective or nonconforming product. In no event shall seller be liable for any special, incidental, consequential, or exemplary damages. PGI recommends that each user determine the suitability of the product(s) for their own particular application.

PGI Performance Concrete Fibers Customer Service: (800) 821-4391

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