

NYLON

PRODUCT SPECIFICATION GUIDE

PRODUCT DESCRIPTION:

NYLON Concrete Fibers are designed to control early cracking in concrete caused by plastic shrinkage, thermal expansion, and contraction. NYLON offers excellent finishability that will save time and reduce labor costs.

NYLON Concrete Fibers are available in premeasured "ready-for-concrete" degradable bags, delivering tens of millions of fibers evenly throughout the concrete, resulting in a smooth, non-hairy surface.

PRODUCT BENEFITS:

- Excellent finishability
- Reduces plastic shrinkage cracks
- Provides three-dimensional strength
- Provides shatter and impact resistance
- Always positioned properly
- Improves toughness and durability

PHYSICAL PROPERTIES:

Specific Gravity	1.16	Denier Range	2-7
Melt Point	490-510o F (255-265o C)	Absorption	4-5%
Modulus of Elasticity	750 ksi	Chemical & Alkali Resistance	Excellent

PRODUCT APPROVALS:

1. ICBO Evaluation Service, Inc.Report #ER-5359
2. SBCCI Public Safety & Evaluation Services, Inc.Report #9505 F
3. Manufactured to UL Specifications for Floor-Ceiling Assembly Fire Classifications:
Underwriters Laboratories (UL) on Series D700 and D800 Metal Desk Assemblies
.....File #R20804
4. Manufactured to ASTM RequirementsASTM C-1116 Type 111 4.1.3

MANUFACTURER'S RECOMMENDATIONS:

NYLON Concrete Fibers should be added at a dosage rate of 0.1% by volume, unless otherwise specified.

NYLON Concrete Fibers are packaged in premeasured, ready-for-concrete, degradable bags, designed to be introduced into the mix at any time before, during, or after the ready-mixed concrete. The manufacturer recommends proper mixing procedure as specified in ASTM C 94.

DOSAGE RATES: Nylon 6/6 synthetic monofilament fibers 1.0 lb./yd³ > (0.6 kg/m³)

PLACEMENT AND FINISHING:

The manufacturer recommends that the standard practices detailed in ACI 302 for placing, finishing, and curing concrete be followed when using NYLON Concrete Fibers.

The manufacturer 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. No warranty is expressed or implied regarding the results to be obtained from the use thereof. Each user must determine the suitability of the product for his own particular application.

ARCHITECTURAL SPECIFICATION (Mini Spec):

Use only nylon fibers specifically engineered and manufactured for use in concrete as secondary reinforcement (NYLON).

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-1116 Type III, 4.1.3 as manufactured by Polymer Group, Inc., 701 E. Avenue A, Kingman, Kansas, USA, 67068.

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.

Manufactured by PGI Performance Concrete Fibers & Distributed by Brett Admixtures