



NYLON IS BETTER THAN POLYPROPYLENE

Nycon-G is a 12-denier reclaimed nylon monofilament fiber that offers reduced dose per cubic yard while providing plastic shrinkage crack control and superior finish.



Heldrich Plaza - New Brunswick, NJ
Made with Nycon-G. **LEED** Certified

NYCON-G Physical Properties

Filament Diameter	12 Denier (57 Microns)
Fiber Length	Well Graded < 0.75" (19mm)
Specific Gravity	1.10
Tensile Strength	44 ksi (300 MPa)
Flexural Strength	400 ksi (2.8 GPa)
Melting Point	435° F (225° C)
Color	Tan
Water Absorption	3% by Weight
Alkali Resistance	High
Concrete Surface	Not Fuzzy
Corrosion Resistance	High

Description

Nycon-G is protected by U.S. Patent # 6,971,784 and # 7,563,017. Other U.S. and Foreign Patents Pending

NYCON-G fiber products are reclaimed monofilament nylon fibers for use in fiber reinforced concrete, stucco and shotcrete. NYCON-G is specifically designed for use in concrete products for the purpose of controlling plastic shrinkage and thermal cracking.

NYCON-G meets the requirements of ASTM C-1116, Section 4.1.3 and AC-32 at 1 lb (0.45 kg) per CY.

Applications

NYCON-G utilizes the mixing activity to disperse the fibers into the mix. NYCON-G acts with a surface bond in the concrete with a multi-dimensional fiber network. NYCON-G does not affect curing process chemically.

NYCON-G can be used in all types of concrete. Synthetic fibers help the concrete at early ages, which is especially beneficial where stripping time and handling is important.

NYCON-G used in shotcrete applications will increase the compaction and density of shotcrete, reducing rebound and permitting thicker layers per pass.

NYCON-G

Nylon, Medium Denier, Superior Finish



Advantages/Benefits

- Surface bond with the concrete
- Reduces the formation of plastic shrinkage cracking in concrete.
- Provides multi-dimensional reinforcement.
- Improves impact, shatter and abrasion resistance of concrete.
- Enhances durability and toughness of concrete.
- Excellent, "no fuzz" finishability

Mixing

NYCON-G can be added directly to the mixing system during or after the batching of the ingredients and mixed at high speed for a minimum of five minutes. Additional mixing does not adversely affect the distribution or overall performance of NYCON-G. The addition of NYCON-G at the normal recommended dosage rate does not require any mix design or application changes. A water reducer or super-plasticizer is recommended in concrete products where improved workability and finishability are desired.

Tooling & Finishing

Fiber reinforced concrete can be finished by most finishing techniques. NYCON-G does not affect the finishing characteristics of concrete. NYCON-G can be used in power/hand troweled concrete, colored and broom finished concrete.

NYCON-G can be pumped and placed using conventional equipment. Hand screeds can be used, but vibratory and laser screeds are recommended to provide added compaction and bury surface fibers.

Packaging

(27) 1 lb (0.45 kg) paper beater bags or Nycon Melt-Away® bags per box, 540 lbs per pallet

Nycon-G Fibers are packaged in pre-measured 1 lb degradable "toss-in" paper beater bags or Nycon Melt-Away® Bags.

Storage and Shelf Life

NYCON-G should be stored in dry warehouse. Protect product from the rain.

KEEP CONTAINER TIGHTLY CLOSED - KEEP OUT OF REACH OF CHILDREN - NOT FOR INTERNAL CONSUMPTION - FOR INDUSTRIAL USE ONLY

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