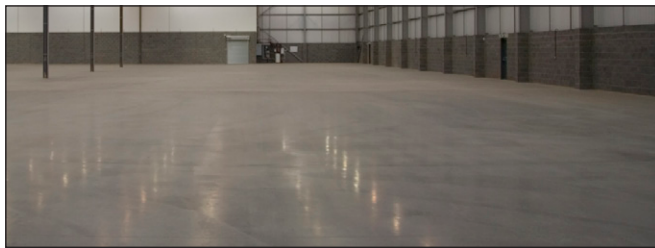


**NYCON-MULTIMESH GRAY**  
 Virgin Nylon, Medium Denier, Superior Finish



**NYLON IS BETTER THAN POLYPROPYLENE**  
 NYCON-MULTIMESH GRAY is an 8-denier virgin nylon monofilament fiber that offers reduced dose per cubic yard while providing plastic shrinkage crack control and superior finish.

**NYCON-MULTIMESH GRAY Physical Properties**

Filament Diameter	8 Denier (38 Microns)
Fiber Length	0.25" (6mm), 0.5" (13mm) or 0.75" (19mm)
Specific Gravity	1.15
Tensile Strength	44 ksi (300 MPa)
Flexural Strength	400 ksi (2.8 GPa)
Melting Point	435° F (225° C)
Color	Gray
Water Absorption	3% by Weight
Alkali Resistance	High
Concrete Surface	Not Fuzzy
Corrosion Resistance	High

**Description**

NYCON-MULTIMESH GRAY fiber products are 8 denier, monofilament nylon fibers for use in fiber reinforced concrete, stucco and shotcrete. NYCON-MULTIMESH GRAY is specifically designed for use in concrete products for the purpose of controlling plastic shrinkage and thermal cracking.

*NYCON-MULTIMESH GRAY meets the requirements of ASTM C-1116, Section 4.1.3 and AC-32 at 1.0 lb (0.45 kg) per CY. MULTIMESH GRAY has completed ICC-ES evaluation as reported in ER 5460.*

**Applications**

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

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

# NYCON-MULTIMESH GRAY

## Virgin 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-MULTIMESH GRAY 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-MULTIMESH GRAY. The addition of NYCON-MULTIMESH GRAY 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-MULTIMESH GRAY does not affect the finishing characteristics of concrete. NYCON-MULTIMESH GRAY can be used in power/hand troweled concrete, colored and broom finished concrete.

NYCON-MULTIMESH GRAY 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

(50) 1 lb (0.45 kg) paper beater bags per box, 1000 lbs per pallet  
(60) 1 lb (0.45 kg) Melt-Away® bags per box, 1200 lbs per pallet

### Storage and Shelf Life

NYCON products 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**

All information provided by Nycon Corporation concerning Nycon products, including but not limited to, any recommendations and advice relating to the application and use of Nycon products, is given in good faith based on Nycon's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Nycon's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Nycon's control are such that Nycon assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Nycon product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s).

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