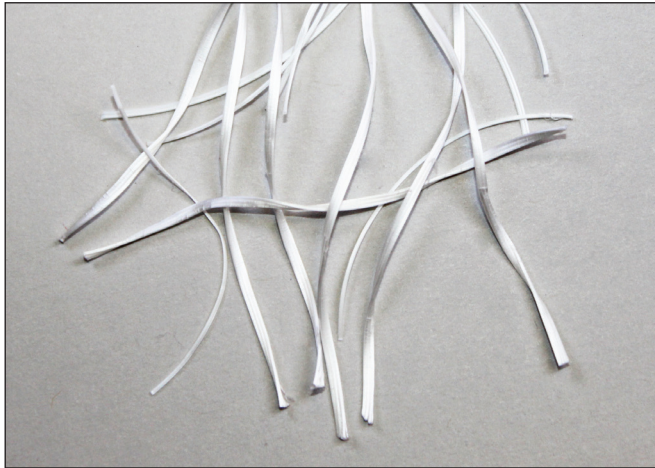


**NYCON-XL-100**  
**Monofilament, Polyolefin/PP, Large Denier, Macro**



Nycon-XL-100 monofilament macro fibers are used to control cracking and as an alternate to traditional wire mesh reinforcement.

**NYCON-XL-100 Physical Properties**

Filament Diameter	.5 mm
Fiber Length	1" (25 mm) or 1.5" (38 mm)
Specific Gravity	0.91
Tensile Strength	100 ksi (690 MPa)
Flexural Strength	1305 ksi (9.0 GPa)
Melting Point	320° F (160° C)
Color	White
Water Absorption	Nil
Alkali Resistance	Excellent
Aspect Ratio	50 - 76
Corrosion Resistance	High



**Description**

NYCON-XL-100 fibers are monofilament, high-performance macro fibers for use in concrete products for the purpose of controlling cracks and replacing traditional wire mesh reinforcement.

*NYCON-XL-100 meets the requirements of ASTM C-1116, Section 4.1.3, ASTM C-1399 and ASTM D7508.*

**Applications**

- Slab-on-Grade
- Precast
- Shotcrete
- Ready Mixed Concrete

**800-456-9266**

**www.nycon.com**

**sales@nycon.com**

# NYCON-XL-100

## Monofilament, Polyolefin/PP, Large Denier, Macro



<b>Advantages/Benefits</b>	<ul style="list-style-type: none"><li>• Mechanical bond with the concrete</li><li>• Provides multi-dimensional reinforcement</li><li>• Improves durability and toughness of concrete</li><li>• Alternate to wire mesh</li><li>• Cost effective</li></ul>
<b>Mixing</b>	NYCON-XL-100 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-XL-100. The addition of NYCON-XL-100 at the normal recommended dosage rate (3-6 lb/cy) 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.
<b>Tooling &amp; Finishing</b>	Fiber reinforced concrete can be finished by most finishing techniques. NYCON-XL-100 does not affect the finishing characteristics of concrete. NYCON-XL-100 can be used in power/hand troweled concrete, colored and broom finished concrete.  NYCON-XL-100 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.
<b>Packaging</b>	(30) 1 lb (0.45 kg) bags per box, 600 lbs per pallet. Other packaging available.  Nycon-XL-100 Fibers are packaged in pre-measured degradable "toss-in" paper beater bags or water-soluble Bags.
<b>Storage and Shelf Life</b>	NYCON-XL-100 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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Nycon warrants this product for one year from date of shipment to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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