



# THE FIBER DEPOT™

## Multifilament Nylon

### FACT - DATA©

#### MANUFACTURER

THE FIBER DEPOT™, 335 Eakin Road, Harrisville, PA, U.S.A. 16038

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#### GENERAL DESCRIPTION

THE FIBER DEPOT™ Multifilament Nylon is an **easy to finish**, fully oriented, 100% virgin nylon fibrous multifilament designed to function as a plastic shrinkage reinforcement intended to reduce the formation of shrinkage cracks prior to initial set and to reduce settlement shrinkage. Non-corrosive, chemically inert, and resistant to alkali attack.

#### APPLICATIONS

THE FIBER DEPOT™ Multifilament Nylon is primarily used with cast-in-place concrete applications such as slab-on-grade, overlays/toppings, curbs, driveways, sidewalks, basement floors, garage floors, and colored concrete, where the objective is to control plastic shrinkage cracking. **Requires No Mix Design Or Placement Changes!**

#### INSTALLATION

Recommended dosage rate of THE FIBER DEPOT™ Multifilament Nylon is 1.0 lbs. per cubic yard (**0.6 kg. per cubic meter**) of concrete added directly to the concrete mixing system during, or after, the batching of the other ingredients and mixed at the time and speed recommended by the mixer manufacturer - usually four to five minutes at mixing speed.

#### PHYSICAL PROPERTIES

Material.....	Virgin Nylon	Length.....	3/4" (19mm)
Form.....	Multifilament	Color.....	White
Specific Gravity.....	1.14	Acid/Alkali resistance.....	Good
Tensile Strength.....	140 ksi (966 MPa)	Compliance.....	A.S.T.M. C-1116

#### AVAILABILITY

THE FIBER DEPOT™ Multifilament Nylon can be purchased from THE FIBER DEPOT™ or an authorized THE FIBER DEPOT™ products distributor, dealer or representative. Orders are shipped within 24 hours by small package services, commercial carrier, or air freight.

#### PACKAGING

	Domestic	International
Bags.....	1.0 lb.	0.6 kg.
Cartons.....	50 bags	40 bags
Pallets.....	16 cartons/800 bags	12 cartons/480 bags

## **WARRANTY**

THE FIBER DEPOT™ Multifilament Nylon fiber is warranted to be free of defects and to meet all quality control standards set by the manufacturer. THE FIBER DEPOT™ has no control over the design, production, placement, or testing of the concrete products in which THE FIBER DEPOT™ Multifilament Nylon is incorporated, therefore THE FIBER DEPOT™ assumes no responsibility for the end products.

## **REINFORCEMENT OBJECTIVE:**

To inhibit concrete cracking caused by plastic and settlement shrinkage that occurs prior to initial set.

## **DIVISION - CONCRETE**

## **SECTION - CONCRETE REINFORCEMENT**

## **SUB - SECTION - SYNTHETIC FIBROUS REINFORCEMENT**

**Synthetic fibrous reinforcement shall be used in the areas denoted in plans, and shall comply with the following fiber characteristics:**

- 1. Configuration - Fiber shall be in monofilament form.**
- 2. Chemistry - Fiber shall be made of 100% virgin materials in the form of fully oriented nylon.**
- 3. Contents - Fibers shall be used at a minimum dosage rate of 1.0 lb. per cubic yard of concrete (0.6 kg. per cubic meter of concrete).**
- 4. Correct Length - Fiber Length shall be a minimum of 3/4" (19 mm).**

**Compliance: Fibers shall comply with A.S.T.M. C-1116 "Standard Specification for Fiber Reinforced Concrete and Shotcrete". The approved product is THE FIBER DEPOT™ Multifilament Nylon as manufactured by THE FIBER DEPOT™.**

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