

# NYCON-AR-S (FIBERGLASS SPOOL ROVING)

Alkali Resistant, Dry or Wet Mix, Medium Denier, Superior Finish

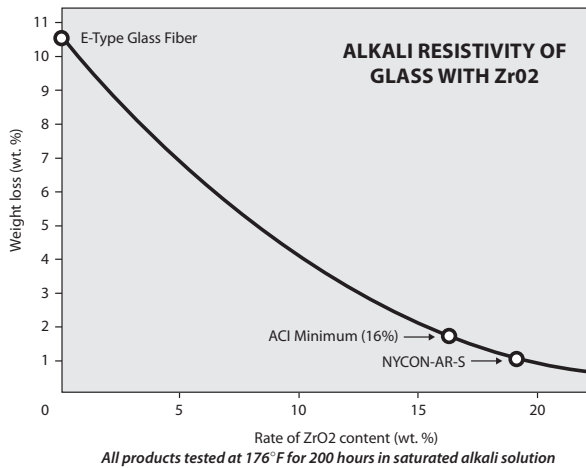


## NYCON-AR-S

Continuous roving is made by gathering glass filaments into a strand, then winding dozens of strands to form a cylindrical packaging. Continuous roving is best suited to the spray process and is used in a wide range of products, such as concrete.

## NYCON-AR-S Physical Properties

Filament Diameter	0.0005" (0.01 mm)
Fiber Length	Spool
Specific Gravity	2.7
Tensile Strength	300 ksi (2000 MPa)
Flexural Strength	11,000 ksi (77 GPa)
Melting Point	2075° F (1121° C)
Color	White
Water Absorption	< 1%
Alkali Resistance	High
Concrete Surface	Not Fuzzy
Corrosion Resistance	High
ZrO2 Content	19% by Weight



### Description

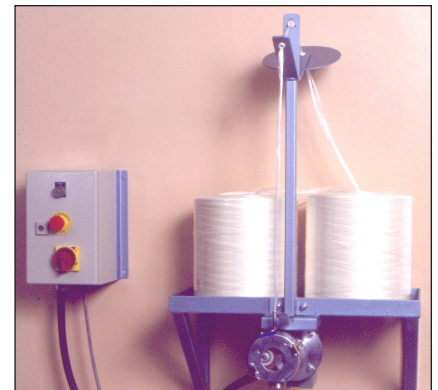
NYCON-AR-S glass fiber is spool roving made for cutting systems and for dry or wet blended products. To assure long-term performance, NYCON-AR-S is made with the highest zirconia content available.

*NYCON-AR-S meets the requirements of ASTM C-1116 and AC-32 at 1lb (0.45 kg) per cy.*

### Applications

Nycon-AR-S glass fibers are high-performance reinforcement fibers specifically designed for any cementitious application. More efficient than polymer fibers because of their high- tensile and modulus of elasticity, Nycon-AR-S fibers provide superior crack control.

Nycon alkali resistant fibers produce a tough concrete with superior long-term serviceability. This, combined with its workability and a wide choice of finishes, provides a freedom of shape, form and texture unmatched by any other reinforcing material.



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<b>Advantages/Benefits</b>	<ul style="list-style-type: none"><li>• Excellent mechanical bond with the concrete.</li><li>• Reduces the formation of plastic shrinkage cracking in concrete.</li><li>• Provides multi-dimensional reinforcement.</li><li>• Improves impact resistance of concrete.</li><li>• Enhances durability and toughness of concrete.</li><li>• Excellent, "no fuzz" finishability.</li><li>• Applicable in dry or wet mix applications.</li></ul>
<b>Mixing</b>	NYCON-AR-S can be chopped as needed and added directly to the dry or wet mixing system during or after the batching of the ingredients. The addition of chopped NYCON-AR-S 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.
<b>Tooling &amp; Finishing</b>	Fiber reinforced concrete can be finished by most finishing techniques. Chopped NYCON-AR-S does not affect the finishing characteristics of concrete. NYCON-AR-S can be used in power/hand troweled concrete, colored and broom finished concrete.  NYCON-AR-S 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>	42 lb (19 kg) each standard spool.
<b>Storage and Shelf Life</b>	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**

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