

Chopped AR Glass Fibers

Alkali Resistant Glass Fibers



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PRODUCT OVERVIEW

Alkali Resistant (AR) Glass Fibers are bundled fibers that are designed specifically for use in concrete. They are manufactured from a specially formulated glass composition with an optimum level of Zirconia (ZrO₂) to be suitable for use in concrete. AR Glass Fibers are particularly suitable for Premix GFRC and other mortar and concrete reinforcement applications. They have high tensile strength and modulus, do not rust like steel, and are easily incorporated into concrete mixes. They are available in two lengths—3/4" (19mm) and 1/2" (13mm). The 3/4" fibers are most commonly used in premix GFRC applications, but 1/2" can be used when a shorter fiber is desired.

All of our alkali resistant glass fiber products are manufactured in compliance with ASTM C1666/C 1666M, EN 15422 and under recommendations of PCI and GRCA.

AR Glass Fibers enhance performance & durability, provide primary reinforcement, provide high tensile strength, and are alkali resistant & non-corrosive.

TECHNICAL OVERVIEW

3/4" 19PH-950X FIBER SPECIFICATIONS

Fiber length:	3/4" (19 mm)
Fiber diameter:	18 microns
Material:	Alkali Resistant Glass 200 filaments per bundle
Nominal tex (g/1000m):	138
Alkali Resistance:	Excellent
Moisture Content:	< 0.5%
Packaging:	1 lb (0.45 kg) 12 lb (5.44 kg) 44 lb (19.96 kg)

1/2" 13PH-950X FIBER SPECIFICATIONS

Fiber length:	1/2" (13 mm)
Fiber diameter:	18 microns
Material:	Alkali Resistant Glass 200 filaments per bundle
Nominal tex (g/1000m):	138
Alkali Resistance:	Excellent
Moisture Content:	< 0.5%
Packaging:	44 lb (19.96 kg)

USING AR GLASS FIBERS

Typical Dosage: Typical load range: 3% by weight of the total mix, or 1.5 lb. (0.68 kg) per 50 lb (22.7 kg) of concrete mix.

Mixing: Blend the fibers into the concrete slurry later in the mixing process. While the bundles are designed to resist breaking down during mixing, care must be given not to overmix, which can filamentize or damage the fibers. Compared to monofilament fibers (PVA, AC50), bundled fibers are more likely to be visible in finished surfaces if precautions are not taken.



Call Us Anytime With Questions About Your Application.

Toll-free: (800) 762-0744 Fax: (610) 252-6200

The new www.smooth-on.com is loaded with information about mold making, casting and more.