ARG Roving
Glass Fiber Technology Co. Ltd.

Technical Data Sheet

Fiber1 AR Glass (ARG Roving) Fiber1 ARG

Fiber1 ARG is the trade mark of the AR Glass (ARG) roving which is manufactured by Glass Fiber Technology Co. Ltd. Fiber1 ARG fibres are manufactured from a specially formulated glass composition using an optimum content of zirconia (ZrO_2). Fiber1 ARG exhibits a high degree of chemical resistance to both acids and alkalis, but was specially developed to enable the fibres to resist the very high alkalinity produced by the hydration of Portland Cement. Fiber1 ARG fibres have high Elastic Modulus and Tensile strength and are an effective reinforcement for cement mortars and concrete. Their main use is in the manufacture of Glassfibre Reinforced Cement (GRC) products. Fiber1 ARG spray roving is widely used in the manufacture of GRC architectural panels and other building elements, civil engineering and infrastructure components.

NAMING:

Example : Fiber1 ARG-2400

Fiber1 : Trademark of Glass Fiber Technology Co. Ltd (GFT).
ARG : GFT Code
2400 : Linear Density (Tex)

KEY FEATURES

- Easy Chopping.
- Excellent Mechanical Properties.
- Low Fuzz and even strand tension.

PRODUCT PROPERTIES FOP "FIBER1 ARG-2400 (Standard)"

Item	Unit	Standard
Linear Density (Tex)	Tex	2400 Tex (±240)
Diameter	µm	14.0 (±1.4)
End Counts	Ends	30
Moisture Content	%	≤0.2
Stiffness	Mm	130 (±10)
Combustible Matter Content	%	1.8 (±0.2)
Breaking Strength	N	≥600
ZrO_2	%	16.8 (±0.2)
TiO_2	%	5.5 (±0.5)

* Most Common Density (Tex) can be supplied. Subject in some cases to minimum order quantities, and extended lead times.

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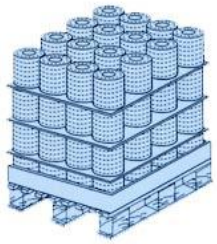
PACKING

Each Roll is protected by a shrink-wrap polythene film, which should not be removed when it is used, and is identified by an individual label, then put into pallets. 48 rolls or 64 rolls each pallet (about 1 ton/pallet).



STORAGE

It is recommended that fiberglass is store vertically in a cool and dry environment, with recommended storage temperatures ranging between 10 ~ 30 ^{o}C and its relative humidity between 50 ~ 75%, to avoid problems with humidity or static electricity, the glass product should be conditioned in the working area prior to use. This fiberglass should remain in the packaging prior to its use.

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