

Roving AR5000H-530X

Specialised for premix GRC



High Zirconia 17%+ Alkali-Resistant Glass Fibre

Product Description

AR5000H-530X is our most popular fibre available in both chopped strand and roving form. The roving form allows the customer to chop the fibre to the desired length. This fibre can also be dispensed directly into the mixer via a multi-roving chopping system.

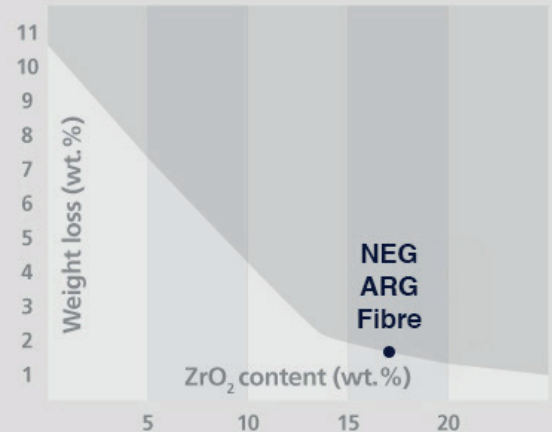
Advantages

- High zirconia content
- Can be cut to required length
- High integrity during mixing
- Suitable for high output systems
- Proven Japanese quality

Product Information

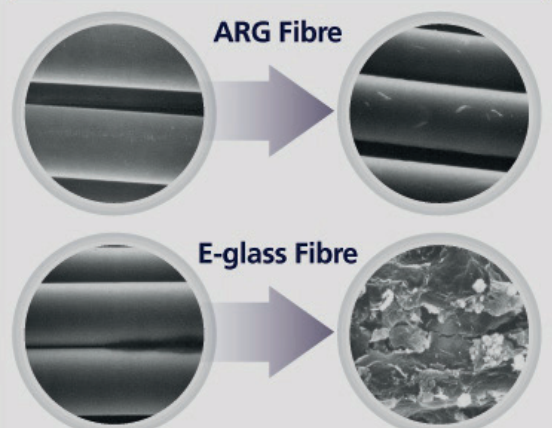
Type of Glass:	Alkali-Resistant
Roving Tex (g/1000m):	5000 nominal
Strand Tex:	78g/1000LM
Zirconia Content:	Minimum 17%
Moisture Content:	< 0.5%

Fig. 1 Alkali Resistance of Glass & ZrO₂ Contents



Held at 80°C for 200 hours in a saturated cement solution (pH = 12.9)

Fig. 2 Effect of Cement on Glass Fibre



Held at 80°C for 200 hours in a saturated cement solution (pH = 12.9)

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Properties

Thermal Expansion Coefficient:	9 x 10 ⁻⁶ /°C	(5 x 10 ⁻⁶ /°F)
Softening Point:	830 °C	(1526 °F)
Density:	2.8g/cm ³	(175pcf)
Tensile Strength:	1.5GN/m ²	(2.04 x 10 ⁵ psi)
Young's Modulus:	74GN/m ²	(1.08 x 10 ⁷ psi)
Strain to Failure:	2%	

Technical Support

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Supplied in rovings, 20kg each, 48 per pallet

Net Weight: 960kg

Gross Weight: 990kg

110 x 110 x 110cm

Supplied by Fibre Technologies International

*NEG ARG Fibres are manufactured in compliance with **ASTM C1666/C** and **EN 15422:2008** under the recommendations of PCI and GRCA*

