

Chopped Strand ACS6H-103

Specialised for shrinkage
control in concrete



High Zirconia 17%+ Alkali-Resistant Glass Fibre

Product Description

ACS6H-103 is a widely used chopped strand for plastic shrinkage crack control in concrete. The special H103 sizing aids dispersion into filaments and small bundles of filaments during mixing. The high zirconia content ensures long-term durability.

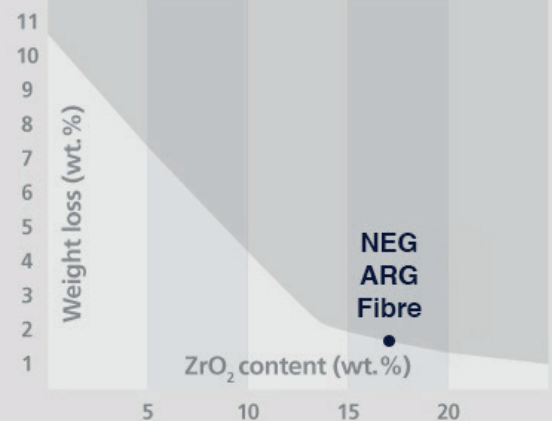
Advantages

- High zirconia content
- Disperses in concrete mixes
- High tensile strength
- Non-flammable and rust-proof
- Proven Japanese quality

Product Information

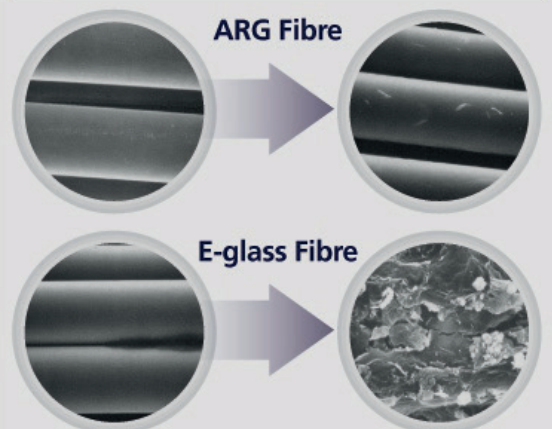
Type of Glass:	Alkali-Resistant
Strand Length:	6mm
Strand Tex:	78g/1000LM
Zirconia Content:	Minimum 17%
Moisture Content:	< 0.5%

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 bags, 20kg each, 48 per pallet

Net Weight: 960kg

Gross Weight: 995kg

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*

