

Alkali Resistant Roving



Alkali-resistant roving is used for spray up or mechanical continuous forming of GRC. It is the base material used to make glass reinforced cement (GRC). Light, high in strength, incombustible and easy to design and shape. GRC products are widely used in the building industry as boards, corrugated proofing sheets, division panels, internal and external insulation panels, decorative panels, dust panels, cable boxes, drainage channels and for garden features and artistic sculptures. **AR Chopped Strands** also available.

Technical Characteristics						
Product No.	ZrO ₂ Content (%)	Filament Diameter (μm)	Glass Density (g/cm ³)	Size Content (%)	Moisture Content (%)	Stiffness (mm)
ARR-1	> 16.2	14	2.78	1.5 - 2.2	0.10	> 120
ARR-2	> 14.5			1.2 - 1.6	0.20	> 150
Technical Data (ZrO ₂ content 14.5%)				AR Roving Specifications		
Virgin Tensile Strength			1500 - 1700 Mpa		Roving Tex (g/km)	2400 tex
Industrial Standard Tensile Strength			800N		Roving Yields (yds/lb)	207
Young's Modulus of Elasticity			69580 Mpa		Strand Tex	64 tex
Specific Gravity			2.78		Number of strands/roving	about 36
Strain at breaking point (stand) %			In boiling saturated Ca(OH) ₂ solution for 4 hours, the strength left is 82%		Loss on Ignition (%)	1 - 2 %
Water uptake			< 0.2%		Approx Roving Weight	18 kg/roll (40 lbs)
Softening Temperature			800 degrees centigrade			

Individual and Bulk Packaging

Each roll (about 18kg) is packed in a polythene bag and 48 rolls are packed in a carton. The assembly is wrapped onto the pallet and protected by a shrink-wrap film. A vertical FRP tube reinforces the 4 corners of the pallet. There are 20 pallets per 20ft container. Total net weight is about 17,500 kgs (38,588 lbs).