

## Technical Data

# Alkali Resistant Chopped Strands

### Product Introduction

Alkali Resistant Chopped Strands made from AR-glass fiber is designed for use in dry mix systems or other premixing processes for subsequent moulding into a GRC component. Light in weight and high in strength, glass fiber reinforced cement composited is suitable for skyscrapers, civil engineering, gardens, decorative materials and rural energy installations. It can be used instead of asbestos, or to reinforce plastic, corrosion resistant filter materials and to make chemical industrial tubes.

### Product Description

Alkali Resistant Chopped Strand has excellent properties with alkali resistance, bundle-state, stiffness, and aging-proof. It is designed for ease of incorporation even at high dosage and remains integral during mixing. It is used in the manufacture of standard

GRC components such as meter boxes or drainage channels, as well as in architectural applications such as decorative screen walling.

### Packaging

The following package is available:  
Individual 20kg kraft bags

Pallet dimension: 45" x 45"

Bags per pallet: 40

### Storage

Unless otherwise specified, it is recommended to store Alkali Resistant Chopped Strands in a cool, dry area. Temperature should not exceed 35°C (95°F) and the relative humidity should be kept below 75%. Alkali Resistant Chopped Strands must remain in



packaging material until just prior to their use. If these conditions are respected, the Alkali Resistant Chopped Strands should not undergo significant changes when stored for extended periods of time.

### Stacking

To ensure safety and avoid damage to the product, skids should not be stacked more than two high.

### Customer Benefits

Good fluidity

Easy incorporation, excellent bundle state

High integrity during mixing

Abrasion resistant strand

High durability and excellent alkali resistant

- a. Soaked in 100°C saturated Ca(OH)<sub>2</sub> solution for 4 hours, and remained filament strength > 82%, diameter diminution < 0.5% (tested in naked fiber without size and coating)
- b. Soaked in 100°C, 10% NaOH solution for 1 hour, weight loss < 0.5%.

**Product Data**

<b>ID Number</b>	<b>Fiber Diameter (Microns)</b>	<b>Chop Length (mm)</b>	<b>Linear Density (tex)</b>	<b>% ZrO<sub>2</sub> Content</b>	<b>% LOI Content</b>	<b>% Moisture Content</b>	<b>Breaking Strength (N/tex)</b>
C8-12K-P9E	13 ± 2	12	76 ± 7	≥ 16.0	1.40 ± 0.60	≤ 0.2	≥ 0.25
C8-18K-P9E	13 ± 2	18	76 ± 7	≥ 16.0	1.40 ± 0.60	≤ 0.2	≥ 0.25
C8-24K-P9E	13 ± 2	24	76 ± 7	≥ 16.0	1.40 ± 0.60	≤ 0.2	≥ 0.25

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