



## Basalt fiber

# CHOPPED STRAND FOR CEMENT CONCRETE

The basalt chopped strand for cement concrete can be applied to road and bridges, airfield runway, dams and etc., in replace of steel fiber, PP and PAN for its excellent performance and economical.

### PRODUCT

e.g. BFCS-613-17-18

BFCS xxx-yy-zz

Length mm

Diameter  $\mu\text{m}$

Sizing Agent Type

Basalt Fiber Chopped Strand

### DESCRIPTION

Basalt Fiber Chopped Strand is based on the continuous basalt fiber though special surface treatment, which is cut in a certain length according to users' demand.

Basalt Fiber Chopped Strand is of well chemical resistance, the alkali resistance makes it an excellent material to replace polypropylene (PP) and polyacrylonitrile (PAN) for reinforced cement concrete.

### FORMING PROCESS

Basalt Fiber Chopped Strand is cut by the basalt fiber with special surface treatment.

### SPECIFICATIONS AND PERFORMANCE

The type of fiber	length (mm)		linear diameter ( $\mu\text{m}$ )	Linear density (tex)	density ( $\text{g}/\text{cm}^3$ )	LOI (%)	Tensile breaking strength (MPa)	Flextrual module (GPa)	elongation (%)	combustible content (%)	Alkali resistance (%)	( $\text{kg}/\text{m}^3$ ) the ratio of blending
	Cement concrete	Cement mortar										
direct roving	15~30	6~15	13~22	300~2400	2.6~2.8	$\leq 0.2$	$\geq 1200$	$\geq 75$	$\leq 3.1$	0.1~1.0	$\geq 75$	5
twisted roving	6~30		13~22	300~2400								

The specification and size can be customized according to users' demand.

### PRODUCT SUPERIORITY

Reduce the thermal cracking and improve the crack-resistance of the road at a low temperature above 40%. Improve the water damage resistance, it is of good permeability so the roads are not prone to accumulate water. Improve the fatigue resistance performance above two times, and prolong the using life of roads.

### PACKAGE SPECIFICATION

Standard: 25kg/bag

Material : waterproof leather bag