

## KV02

### Chopped strand series

#### Chopped strand nomenclature.

*Example:* BCS 13.12.KV02

BCS- basalt chopped strand.

1<sup>st</sup> number - monofilament diameter [ $\mu\text{m}$ ].

2<sup>nd</sup> number – cut length [mm].

KV02 – type of sizing.

#### Processing.

Basalt chopped strand of this series is mainly recommended for friction material production using phenolic resin system.

#### Product description

Property	Description
Type of fiber	Basalt
Monofilament diameter [ $\mu\text{m}$ ]	9-17
Cut length [mm]	3/6
Type of sizing	silane
Sizing content (% wt)	0.4-0.6
Resin compatibility	Phenolic
Moisture content (% wt)	<0.3

#### Mechanical properties

Properties in epoxy impregnated strand (ASTM D2343):	
Tensile strength	2700-3200 MPa
Tensile modulus	85-89 GPa

<b>Tensile strength of dry fiber (ASTM D3822):</b>	
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Tensile strength (9-17 micron fiber), mN/Tex	630-750
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**Applications.**

Brake pads, brake shoes.

**Packaging information**

Type of bag	Amount of fiber (kg)
Craft bag	20
Big bag	500-600