

## KV05/1

### Chopped strand series

#### Chopped strand nomenclature.

*Example:* BCS 13.12.KV05/1

BCS- basalt chopped strand.

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

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

KV05/1 – type of sizing.

#### Processing.

Basalt chopped strand of this series is mainly recommended for wet laid nonwoven mats and veils production.

#### Product description

Property	Description
Type of fiber	Basalt
Monofilament diameter [ $\mu\text{m}$ ]	9-13
Cut length [mm]	12/.../50
Type of sizing	silane
Sizing content (% wt)	0.4-0.6
Moisture content (% wt)	6-8

#### 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>	
Tensile strength (9-17 micron fiber), mN/Tex	630-750

**Applications.**

Wet laid veils and mats.

**Packaging information**

Type of bag	Amount of fiber (kg)
Craft bag	30
Big bag	700-800