

Twisted yarns

BTY10-68x2-KV12
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Yarn nomenclature.

Example : BTY10-68x2 Z 30-KV12

BTY – basalt twisted yarn

10 – monofilament diameter [μm]

68 – linear density [tex]

x2 – number of plies

S, Z – twisting direction

30 – twist per meter

KV12 – type of sizing



Processing and applications

Basalt twisted yarns are mainly recommended for further textile processing into different types of fabrics, tapes, ropes, sleeves, etc..

Product description

Property	Description
Type of fiber	Basalt
Monofilament diameter [μm]	10 ± 0.5
Linear density of the single yarn [tex]	$136 \pm 5\%$
Number of plies	2
Twist per meter	$20 \div 150$
Type of sizing	Silane
Sizing content (% wt)	≥ 0.4
Moisture content (%wt)	< 0.5

Physico-mechanical characteristics

Property	Value
Specific tensile strength of the twisted yarn, mN/tex:	>700
Allowance for twist per meter, % for 50 TPM and less	± 20
for 50 - 100 TPM	±15
over 100 TPM	± 10

Packaging information

Type of bobbins	Amount of roving (kg)
Flange bobbins	4-6

Type of packaging: cardboard box, 66 bobbins at the pallet