

KV41, KV42

Twisted yarns

Yarn nomenclature

Example : BTY11-110x2 Z 60-KV42

BTY – andesite-basalt twisted yarn

11 – monofilament diameter [μm]

110 – linear density [tex]

x2 (if available) – number of plies

S, Z – twisting direction

60 – twists per meter

KV42 – type of sizing



Processing and applications

Andesite-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	andesite-basalt
Monofilament diameter [μm]	10-13
Linear density of the single yarn [tex]	68-150
Number of plies	1-8
Twists per meter	20-100
Type of sizing	silane
Compatibility	
KV42	epoxy and phenolic resins
KV41	polyester, vinyl ester and epoxy resins
Sizing content (% wt)	≥ 0.4
Moisture content (%wt)	< 0.5

Physico-mechanical characteristics

Property	Value
Tenacity of the twisted yarn, mN/tex:	
10 μm, 68 and 68x2 tex	>700
10 μm, other than 68 and 68x2 tex	>650
11 μm	>600
13 μm	>550
Allowance for twist per meter, %	
for 50 TPM and less	± 20
for 50 - 100 TPM	± 15

Packaging information

Type of bobbins	Amount of roving (kg)
Flange bobbins	
1-ply yarns	3-4
2-ply yarn 68x2 tex	4-6
others	5-7
samples	1-2

Type of packaging: cardboard box, 66 or 88 bobbins on the pallet