Kamenny Vek
ADVANCED BASALT FIBER

Fabric Type BT-25/3P-76

Nomenclature:
Example : BT-25/3P -76
BT – basalt fabric
25/3 – fabric structure
P – with leno selvage
76 – sizing type (KV-12, epoxy-compatible)

Woven fabric of high chemical (acidic and subalkali or cement) and thermal resistance are made of basalt rovings or twisted yarns with epoxy-compatible sizing. The sizing is designed to ensure the fabric compatibility with the matrix and good handling and mechanical properties of the fabric.

Basalt fabrics could be used in different compositions for fire, sound and heat protection, in laminates production, in construction elements and equipment – as a replacement to E-glass fabrics.

Property		Unit	Normative Values
Basalt fiber			
Density		g/cm^3	2.67
Exploitation temperature range		°C	- 250 + 650°C
Coefficient of linear thermal extension		1/°C	$35 \cdot 10^{-7}$
Monofilament diameter		μm	10-13
Moisture content		wt %	< 0,5
Sizing content		wt %	≥ 0.4
Specific tensile strength of the twisted yarn*		mN/tex	>650
Fabric			
Weaving pattern			Twill 2/2
Weight		g/sqm	**345 ± 25**
Width		cm	100 ± 1
Count	Warp	F/10cm	16± 1
	Weft	F/10cm	9± 1
Tensile strength	Warp	N	> 1568
	Weft	N	> 1372
Edge			Leno selvage
Thickness		mm	0.28± 0.03
Quantity		rolls / pallet	16

Dubna, 141980, P.O.Box 180, Moscow region, Russia
tel: +7-49621-23370, fax: +7-49621-25051
e-mail: info@basfiber.com, www.basfiber.com

Product storage and stability over time:
Basalt fabrics should be stored in the original package at the stock (indoor conditions). Rolls should be placed parallel to each other. Warranty storage period of basalt fabrics is 2 year since the date of production (in case the required conditions are ensured).

Packaging: Fabric rolls could be supplied on a wooden or plastic tube*** (tube diameter is 110 mm), the beginning of the fabric is fastened on a tube at the weft yarn. The length of the roll is 100 m (for 1 m width). The roll is packed into a special packaging cellular tape, with the identification label. On request the roll could be placed into a 122x30x32 cm box and fixed with a special cardboard spacers.

* - tensile testing with flat-jaw grips.
** - please, check or specify before ordering.

Dubna, 141980, P.O.Box 180, Moscow region, Russia
tel: +7-49621-23370, fax: +7-49621-25051
e-mail: info@basfiber.com, www.basfiber.com