

## **Basalt Fiber Products**

## ${\sf B}$ asalt is a natural material that has

high strength, good thermal & sound insulation properties, resists corrosive environments, and products made from basalt have a long operation life.

## **Basalt Roving**

- High natural strength
- Resistance to corrosive environment
- Long operation life
- Excellent electric insulation properties

## Applications

- Basalt fabric production
- Manufacture of geotextile mesh for asphalt
- Auto composite materials
- Pipes for the oil and gas industry
- Basalt plastic and fittings
- Making needled felts for thermal & sound insulation

<ul> <li>Basalt Chopped Strands</li> <li>Reinforcing additive for concrete</li> <li>Reinforcement for composite materials</li> </ul>	Туре		Fila diai mic	ment meter, crons	Chopp length mm	oed I,	Loss c ignitic not le than	on on, %, ss	Mois less t	ture, %, not :han
	BC16 6 BC16 1 BC16 2	76 2 76 4 76	16 ± 16 ± 16 ±	±1 ±1 ±1	6 ±1 12 ±2 24 ±2		0.6 0.6 0.6		0.1 0.1 0.1	
<ul><li>Basalt Yarn</li><li>Used in the production of:</li><li>basalt fabrics</li></ul>		Linear densit tex	у,	Tolera in linea density %	nce M ar c y, p r	Numb of twis oer neter	er sts	Tensile streng , mN/t (gf/tex	e th, L ex i <sub>i</sub>	oss on gnition, %
<ul><li>Tapes</li><li>Cords</li></ul>	BC12 110 Z20 76	0 110		+5 -7	2	0		460 (47	') N C	lot less than 1.6
Good for the following: • Insulation	Туре	Fabric density. yarns/cn	n g	urface ensity, /m2	Width cm	ı, L ig	oss on gnition	, Thi mm	ckness า	, Tensile , strength, N/2.5cm
Reinforcing     Filter medium Applications	ТВК- 100 (100)	10 ±1 warp, 9±1 weft	. 2	10 ±20	100 ±1	N tł	lot less han 0.6	0.19 ±0.0	) )25	Not less than 784 warp & weft
<ul> <li>Thermal insulation for welding, industrial equipment, furnaces and pipelines</li> <li>Covering for thermal insulation felts</li> <li>Production of composite materials</li> <li>Filters for gas, dust, and metallurgical works</li> </ul>					·					

16 ±1

16 ±1

1200H-

76 (200)

BC16

2400H-

76 (200)

1200

2400

It is possible to make basalt thermal insulation (needle felts). The difference between basalt and e-glass thermal insulation lies with basalt's higher heat resistance which can be used up to 800 degrees C (1472 degrees F) thus the range of usability is greatly expanded.

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Туре	Filament diameter, microns	Linear density, tex	Tolerance in linear density %	Tensile strength, not less than, mN/tex (gf/tex)	Loss on ignition, %, not less than.		
BC16							

±5

±5

396 (40)

396 (40)

0.6

0.6