

GBF Basalt Twisted Yarn



Basalt fiber twisted yarn is a type of yarn made from basalt fibers that have been twisted together. Basalt fiber twisted yarn can be woven or knitted into fabrics, which are used in various applications. In the textile industry, these fabrics are used for making heat - resistant and flame - retardant clothing, as well as for decorative purposes. The fabrics made from basalt fiber twisted yarn have a smooth surface and good drapability

Characteristics

- Good performance in insulation application
- Excellent reinforcement performance
- Resistant to acids and aggressive chemicals
- Good fatigue resistance
- Electro-magnetic resistant

Filament Diameter (μm)		6-16
Linear density (tex)		10–800
Twist Per meter (TPM)		30–150
Twist Direction		S/Z
Sizing Types		Textile/Reinforcement
Combustible content (%)		0.7 \pm 0.3
Moisture content (%)		\leq 0.2%
Dry yarn	Breaking strength (N/tex)	\geq 0.5
Impregnated tyarn	Tensile strength (MPa)	\geq 2500
	Elastic modulus (GPa)	\geq 80
	Breaking elongation (%)	\geq 2.0

Application Area

- Weaving industries
- Electrical Insulating Materials
- Sealing and frictional materials

