

TECHNOBASALT® ROVING

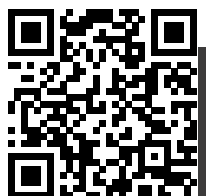
Basalt roving (RB)

- Has high mechanical strength. The tensile strength is three times higher than that of steel.
- Has high corrosion and chemical resistance to alkalis, acids, and other aggressive media.
- Dielectric, non-magnetic, has no electrochemical corrosion. Environmentally friendly material.
- Has high frost resistance, heat resistance, moisture resistance.
- Has low thermal conductivity and high sound absorption.
- Has the ability to filter aggressive liquids.
- Working temperature ranges from -260 to $+680^{\circ}\text{C}$.
- UV resistant.

Basalt roving — what is it?

Basalt roving is a rope of continuous unidirectional complex basalt threads (one complex thread contains up to 200 basalt continuous monofilaments). Roving has excellent natural strength, resistance to aggressive environments, long service life and excellent electrical insulating properties. Basalt roving surpasses S- and E-glass roving by its characteristics, slightly inferior to carbon, but several times cheaper. Basalt roving is extremely heat-resistant and can withstand temperatures up to $+1\ 000^{\circ}\text{C}$ for a short time.

www.technobasalt.com



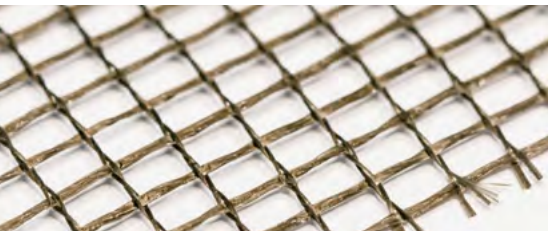
Pultruded products

Composite basalt rebar



Basalt mesh

Plastering, masonry and geogrids



Technical fabrics

Basalt structural fabrics



Composite products made by winding method

Basalt-plastic pipes



Spray application

Protection and repair of structures



High-pressure cylinders made of basalt



Technical characteristics of TECHNOBASALT® ROVING

Characteristic	Unit	Technobasalt® Roving	
		Norm	Control method
Diameter of monofilaments	mcm	9/13/16	GOST 6943.2-79
Linear density	tex	130-4 800	GOST 6943.1-94
Breaking load	cN/tex	50-76	GOST 6943.10-79
Humidity	%	<0,2	GOST 6943.8-79
Sizing (lubricant) type	-	depending on the requirements for the final product	GOST 6943.8-79
Bobbin weight	kg	1-10	GOST 29329-92
Unwinding type	-	internal / external	DSTU GOST 166-89 (ISO 3599-76)

Permits documentation

- TU U V.2.7-26.8-34323267-002: 2009 "Roving from basalt fibers".
- Certificate of conformity UkrSEPRO.
- Radiation certificate.
- Conclusion of the SES of the Ministry of Health of Ukraine.
- Test report of the Main Directorate of the Ministry of Emergencies of Ukraine.

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Technobasalt-Invest, LLC
st. M. Omelianovych-Pavlenko, 4/6, office 14/10, Kyiv, 01010, Ukraine
tel.: +38 044 280 93 61, e-mail: sales@technobasalt.com

