

CBG Basalt Roving

TDS-No. 1200

Basalt roving is a modern high-technology material which provides high strength, good mechanical properties, large thermal range of application, high chemical resistance, low thermal conductivity and high electrical resistance.



- ✓ 100% natural
- ✓ antibacterial
- ✓ corrosion resistant
- ✓ thermoresistant
- ✓ noncombustible
- ✓ no smouldering
- ✓ recyclable

Properties	Data		
Material	Basalt rock		
Application areas	Reinforced grid for road construction, reinforced bars and fixes, technical fabrics, composite pipes from CBF, composite tanks, composite cable, etc.		
Nominal linear density, tex	600, 1200, 2400, 4800		
Monofilament diameter, μm	10	13	17
Linear breaking load, mN/tex	650	600	550
Elongation at break, %	2,0 – 4,5		
Tensile strength, MPa	>3100		
Density, kg/m^3	2600 – 2800		
Moisture content, %, max	<1,0		
Loss weight at ignition, %	0,4		
Heat capacity, W/mK	0,031 – 0,038		
Application temperature, $^{\circ}\text{C}$	-250 up to +650		

Delivery

- ✓ Transportation should be carried out by using covered vehicles to prevent absorption of moisture

Processing and storage

- ✓ The usual protective measures must be taken during processing. Gloves, respiratory protection and safety glasses are recommended. Please note the instructions for use "Handling mineral wool and insulation materials (glass wool, rock wool)" from BG Bau.
- ✓ Storage in a dry place in original packaging, air humidity content should not exceed 80%

Subject to modifications

