



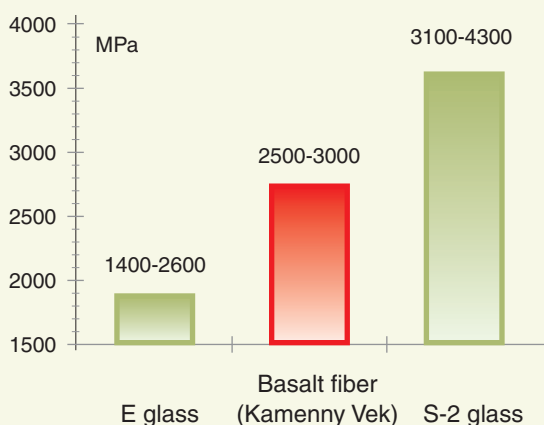
Wind Mill Blades & Boat Building

- If you would like stronger and stiffer, larger and lighter wind mill blade keeping outlay on the level of E glass, you need multi-axial fabrics from our basalt fiber
- If the outer gelcoat of your boat is slightly damaged, you can lose it from corrosion of glass fiber composite layer. With our basalt fiber you get rid of this problem

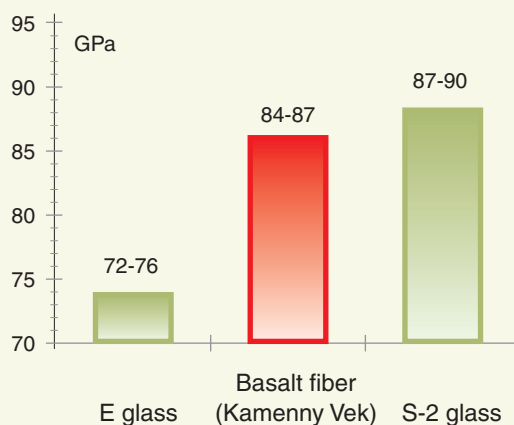
Our advanced basalt fibers show 15-20% higher tensile strength and modulus, better chemical resistance, extended operating temperature range than regular E glass, getting close to high strength and corrosion resistant fibers but being less expensive.

Comparison of basalt and glass fibers

**Tensile strength in impregnated strand
(ASTM D2343)**



**Tensile modulus in impregnated strand
(ASTM D2343)**

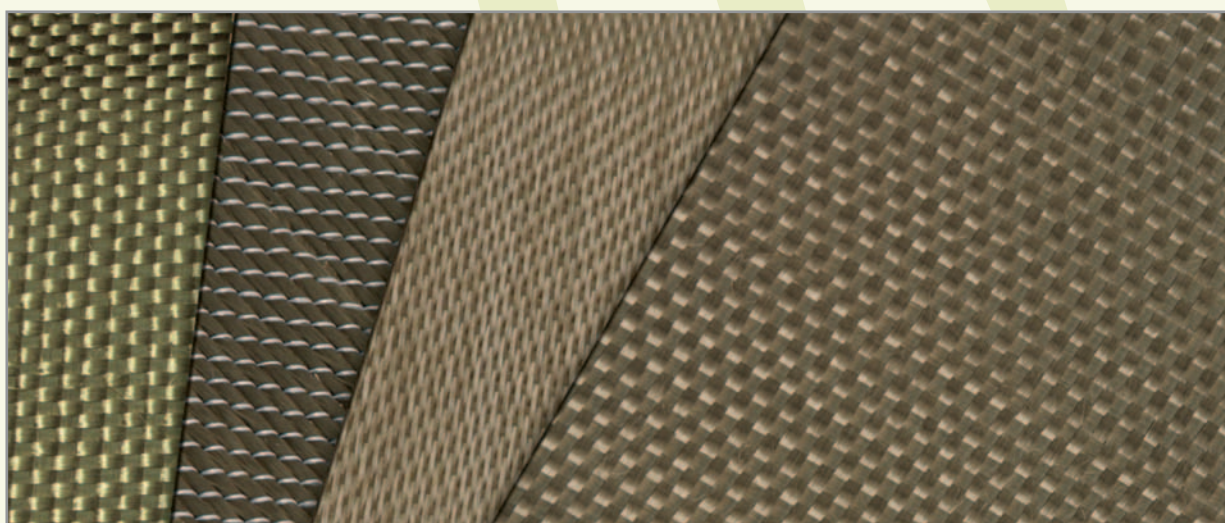


Along with high mechanical properties and resistance to sea water you gain excellent fire resistance, heat and sound insulation properties and environmental friendliness.

Kamenny Vek offers various kinds of UD tapes and multi-axial fabrics that can be used for closed moulding technologies like RTM and vacuum infusion. Kamenny Vek work with world-renowned producers of multi-axial fabrics to widen its output range and to satisfy requirements of end-users.

Product description

Style	Weight range	Resin compatibility
Fabrics can be produced using multiple axis (0°, 90°, +45°, -45°), as well as a range of orientations from +20° through to +90° and -20° to -90° combined with chopped mat and multiple layers of veil and/or non-woven materials.	100g/m ² -3000 g/m ²	Polyester, epoxy, phenolic, vinylester



For marine industry:

- High strength and sea-water resistant basalt roving for various load-bearing profiles;
 - Basalt roving and basalt chopped strand for SMC/BMC parts;
 - Basalt woven fabrics for fire protection, heat & sound insulation.

For off-shore use:

- Sea-water resistant basalt roving for gratings and load-bearing profiles.