



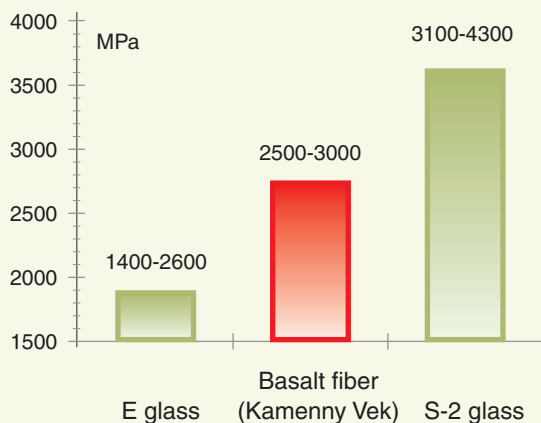
High Pressure Vessels, CNG Cylinders, Waste-water Filters, Corrosion Resistant Tanks & Pipes

- If your high pressure vessels are too heavy with E-glass or your CNG cylinders are very expensive with S-glass, you need our basalt fiber
- If you are forced to renew your filter housing too often or your tubes are corroding too quickly you can try our basalt fiber

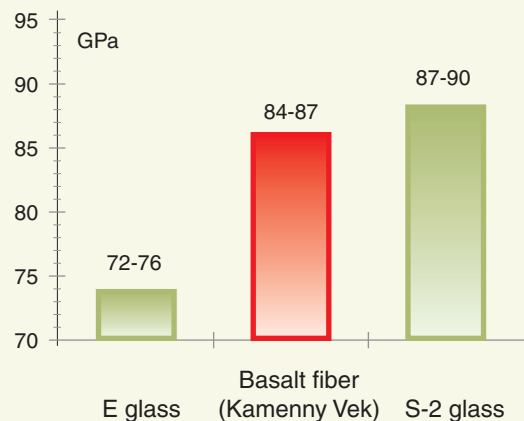
Our advanced basalt fibers show 15-20% higher tensile strength and modulus, better chemical resistance, extended operating temperature range than regular E glass, getting close to high strength and corrosion resistant fibers but being less expensive.

Comparison of basalt and glass fibers

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



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



**Using our basalt fibers in high pressure vessels instead of S-glass
you cut your costs significantly!**

Kamenny Vek company offers special basalt fiber roving for filament winding. This product is recommended for manufacture of composite high pressure and corrosion resistant vessels. Main grade of the roving is designed for epoxy resin impregnation, but sizing for vinyl ester and polyester resins is also available.

Product description

Monofilament diameter [Mm]	11-15
Linear density [tex]	100/200/300/.../2500
Sizing compatibility	Epoxy, vinyl ester, polyester resins
Sizing content (% wt)	0.6-0.8
Moisture content (% wt)	<0.3
Type of bobbins	For internal and external unwinding



For automotive industry:

- Basalt roving and basalt chopped strand for SMC/BMC parts;
- Heat resistant basalt chopped strand for friction materials;
- Basalt woven fabrics for fire protection, heat & sound insulation

For corrosion industry and off-shore mining:

- Chemical resistant basalt roving for gratings and load-bearing profiles.