



## Bridges, Load-Bearing Profiles, Gratings & Concrete Reinforcing Bars

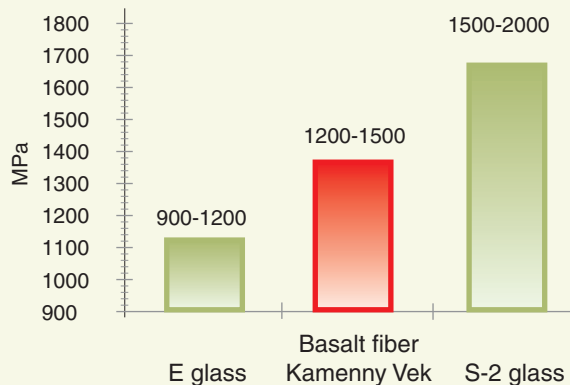
- If your bridge beams are too heavy with E-glass or expensive with S-glass or carbon fiber reinforcement you can use our basalt fiber to produce stiffer and stronger product
- If your gratings suffer from acid & alkali environment or you need durable & inexpensive concrete rebars you can try our basalt 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.

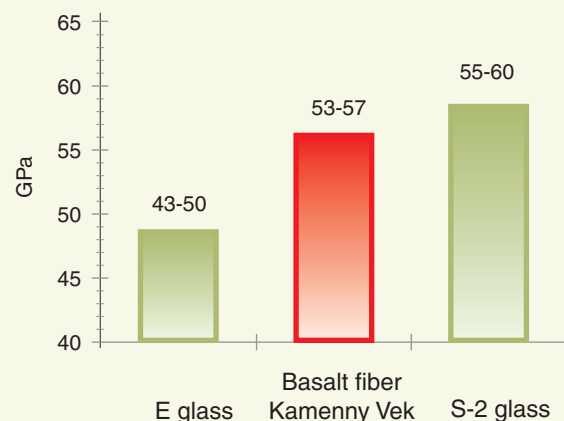
## Comparison of basalt and glass fibers

Properties of fibers in impregnated strand (ASTM D2343)	Basalt fiber (Kamenny Vek)	S-2® glass	E glass
Tensile strength, MPa	2500-3000	3100-4300	1400-2600
Tensile modulus, GPa	84-87	87-90	72-76

**Tensile strength of pultruded rods based on epoxy resin (60-65% fiber vol.).  
ASTM D3039**



**Tensile modulus of pultruded rods based on epoxy resin (60-65% fiber vol.).  
ASTM D3039**



Kamenny Vek supplies basalt fiber roving specially designed for pultrusion. This product has high tex and various sizing to meet your requirements.

## Product description

Monofilament diameter [Mm]	11-15
Linear density [tex]	2600/4800
Sizing compatibility	Epoxy, vinyl ester, polyester resins
Sizing content (% wt)	0.2-0.6
Moisture content (% wt)	<0.3
Type of bobbins	For internal and external unwinding



### For civil engineering:

- Chemical resistant chopped strand for concrete and mortar reinforcement;
- Basalt geogrids & stucco nets for roads, bridge construction, for renovation of old concrete structures;

### For corrosion industry:

- High strength corrosion resistant basalt roving for tanks, pipes and sewage filter housings.