

Advanced basalt fibers for...

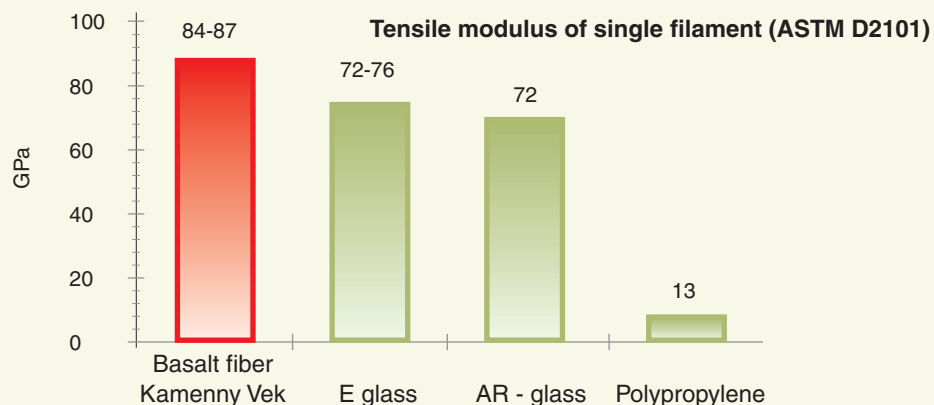
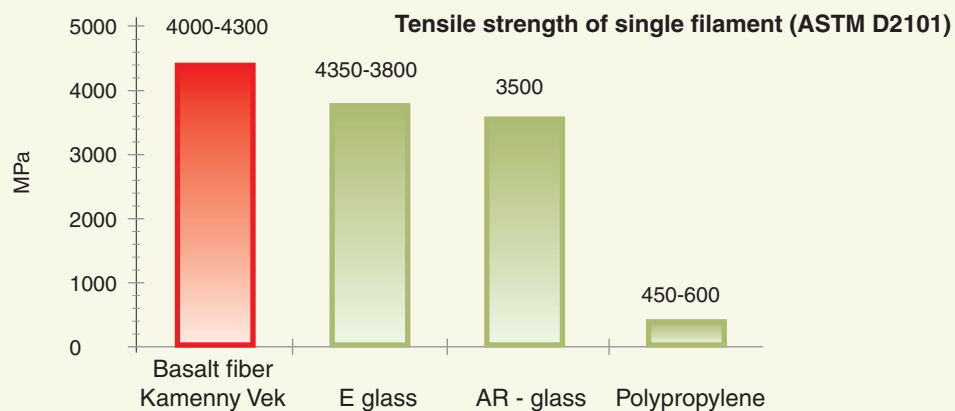


Geotextile, Geogrids & Stucco Nets

- If your road overlay shows serious cracking after heavy traffic, our basalt fibers help you to prolong life of your pavement
- If your concrete walls require renovation and you would like to keep them new for a very long time, you need 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

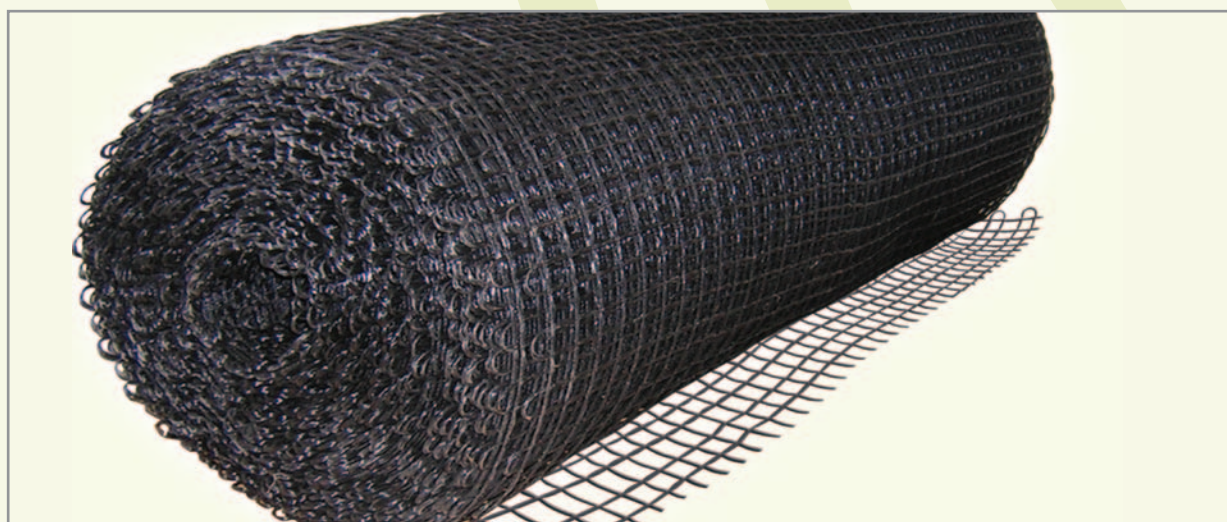


- The highest long-term operation temperature of basalt fibers is 560°C. Hence, typical paving temperatures will not cause any loss of strength or distortion which may occur with synthetic material.

Basalt reinforcing mesh is designed for reinforcing road and highway overlays to prolong the pavement life span by reducing the effects of reflective cracking caused by traffic loading, age hardening and temperature cycling. Pavement life between maintenance can be prolonged significantly. Basalt reinforcing mesh make it possible to reduce thickness of asphalt concrete pavement up to 20%.

Product description

Mesh window size	25mm x 25mm, 50mm x 50mm
Density [yarns/m]	Warp 40 ± 2 Weft 40 ± 5
Surface density [g/m ²]	320 ± 40
Breaking load (min), [kN/m]	Warp 55 Weft 50
Elongation before brake [%]	4 ± 1
Binder content (min) [%]	20
Roll width	2 meters (2.18 yards)
Roll length	up to 100 meters (110 yards)



For civil engineering:

- High strength and chemical resistant basalt roving for concrete reinforcing bars, load-bearing profiles and pultruded gratings;
- Chemical resistant chopped strand for concrete and mortar reinforcement.