BASALT CONTINUOUS FIBERS, TEXTILES, AND COMPOSITES



Samples of continuous basalt fibers and textile on their base



Roving structure of basalt complex fiber

Specification

9 ± 1
2750
2000-3500
80-110
700-900

Areas of Application

Basalt continuous fibers and textiles can be used as technical textiles for filters and water proofing membranes; as reinforcing material for composites (in boats, automobiles, aircrafts, cisterns, etc.); as reinforcing material for construction composites (reinforcement, roof materials, tubes, geogrids for roads, electrical insulations, etc.); and as reinforcement for fibrous concrete

Advantages

Basalt fibers surpass the mineral, glass, carbon, and synthetic analogs in thermal and mechanical properties



Basalt-plastic reinforcement

Stage of Development. Suggestions for Commercialization

IRL3, TRL4 Manufacture of small batches. Seeking partners for industrial production

IPR Protection

IPR2

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