

DRIVE Marine Services

BASALT FIBRE

Basalt fibre is suitable for a wide range of applications such as automotive, aviation, construction, electromagnetic shields, high temperature seals and curtains.

The high tensile strength and excellent acid and alkali resistance, along with the non-magnetic and non-conductive characteristics make it suitable for most composite projects.

Basalt is also non-combustible and offers good thermal protection making it suitable for many insulation and high temperature applications.

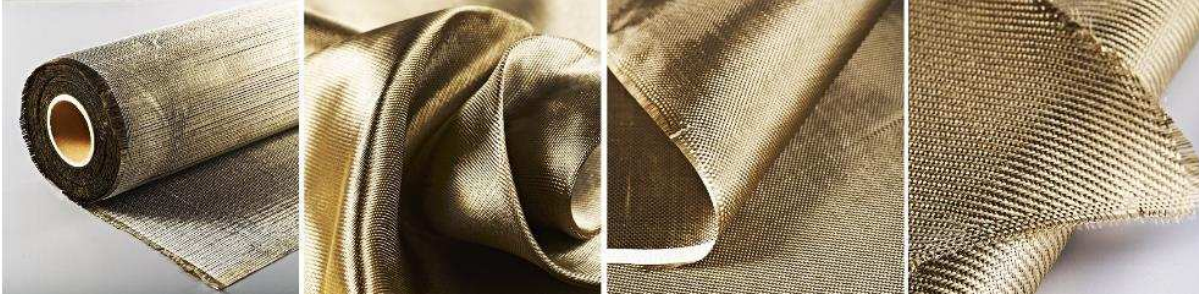


Figure 1 – Basalt Fibres in Various Fabric Forms

| Specification | Technical Data |
|---|-----------------------|
| Density - g/cm^2 | 2.70 |
| Tensile Strength - MPa | 4840 |
| Modulus - CPa | 89 |
| Elongation at Break - % | 3.2 |
| UV Resistance | Excellent |
| Solvent Resistance | Excellent |
| Moisture Absorption - % | 0.2 – 12.0 |
| Max. Processing Temperature - $^{\circ}C$ | 980 |
| Dielectric Constant (Dk) | 2.0 – 3.2 |
| Dissipation Factor (Df) | 0.003 – 0.015 |
| Coefficient of Linear Thermal Expansion - ppm/K | 8.0 |

Table 1 – Basalt Technical Data

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For a Comprehensive Range of Boat Building & High Strength Adhesives requirements including

Bote Cote 2:1 Epoxy Resin, Fillers, Pour-on-Gloss Decoupage Coating, COP-R-BOTE Epoxy Antifouling, AQUACOTE Polyurethane Coatings, PURBOND Waterproof Single Pack Glue, TREDGRIP Rubberised non-slip Paint, Fibreglass & Carbon Reinforcing Fabrics, FERONITE Rust converter and Primer, Pink & Gaboon Marine Plywoods, NIDAPLAST Composites, Silicon Bronze Fasteners DAVEY Traditional Bronze & Marine Fittings WOT ROT Rot Repair Kit
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