

:: BASALT FIBER 440 G/M²

Description:

Reinforcement material used for the construction of polyester, epoxy and vinylester laminates. Due to the structure of the fabrics, you obtain increased strength. Available in 1 m², 5 m², 10 m² and 50 m² rolls.

Application:

For molded parts in all applications eg boat, car, construction and industry. Available in 440 gr/m² Satin binding. Roll width 127 cm
The ideal combination is to use this fabric with vinylester or epoxy resin.

Delivery details:

Colour	brown
Viscosity	does not apply
Specific weight	approx. 2.60-2.80 gr/cm ³
Shelf life	unlimited
Consistency	tissue

Technical data:

Consumption	depending on tissue type
Shore	does not apply

Processing:

Is always processed in combination with a polyester, vinylester or epoxy resin. For higher strength, apply several layers on top of each other. This fabric has a better flame and fire resistance (LOI according to ISO 1887:1995 of > 0.4%) than glass fiber.

E-modulus of 75-100 GPa
Temperature resistance up to 700°C
Tensile strength of 2800-4000 MPa.
Elongation to break from 2.8-3.2.
Thermal conductivity of 0.031-0.038 W/mK.
The melting point is 1350°C
The sizing is based on Silane

Safety:

Always wear suitable protective clothing and gloves. Is not a dangerous good and may be treated as such.

Cleaning agent: water.

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