



BASALT CETAVER[®] TAPE



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BASALT TAPE

- Our Basalt tapes can replace the glass tapes considering that its resistance to temperatures is largely superior to E-glass tapes.

The advantages :

- It is a natural and safe mineral fiber. Basalt is safe for the health because its fibers have a diameter of $8\ \mu\text{m}$ and higher. Moreover Basalt fibers cannot give off toxic gases.

Its specific crystalline structure gives good wetting and good adhesion properties of the fiber surface which does not absorb the humidity.

- Basalt fibers do not melt nor shrink in the flame.
- Good resistance to radiations and U.V.
- Good Resistance to very low temperatures
- Good resistance to acid and alkaline.
- Higher thermal conductivity compared with E-glass.

CARACTERISTICS YARN - TAPE

Characteristics		Basalt	E Glass
Thermal Conductivity	W/m.k	1.7	1.0
Continuous working temperatures	°C	- 250 +700	- 60 +460
Density	g/cm ³	2.67	2.58
Mechanical strength	MPa	4600	3400
Elongation	%	3.1	4.6
Elasticity	GPa	85	73

Characteristics		Values	Tolerances
Width	mm	15 à 100	± 1
Thickness	mm	0.25	± 2
Weight / cm	g/cm	2.5	± 0.2