

OVERVIEW TECHNICAL DATA

cosTherm[®] G.500**Product Description:**

cosTherm[®] G.500 consists of high-quality mica papers that are pressed using silicone resin to compression-resistant laminate. cosTherm[®] G.500 is characterised by high long-term temperature resistance and good insulation properties.

Data	Value	Unit
Operating temperature short term	700	°C
Operating temperature long term	500	°C
Thermal conductivity	0,3	W/mk
Coefficient of expansion (in length and width)	10*10 ⁻⁶	1/K
Compressive strength at 23 °C	400	N/mm ²
Compressive strength at 200 °C	250	N/mm ²
Bending strength at 23 °C	120	N/mm ²
Bending strength at 200 °C	50	N/mm ²
Density	2,1	g/cm ³

Delivery forms:

Standard size 1200 x 1000 mm
Standard thicknesses 6 - 30 mm

We deliver plates, pre-cut parts and machined parts according to drawings.

Application:

cosTherm[®] G.500 is used as insulation for heating duct systems, in inductive soldering systems or as full-scale insulation in highly thermally durable machines and systems.

Additional technical information is available up on request.