

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.

We reserve the right to make changes in the context of further technical developments. The guide values listed in this data sheet are not contractual data. Issue 04-2024

Please contact our applications and sales engineers to clarify the suitability of the material for your application.