

OVERVIEW TECHNICAL DATA

cosTherm[®] G.700

Product Description:

cosTherm[®] G.700 consists of high-quality mica papers that are pressed into pressure-resistant laminates using silicone resin. cosTherm[®] G.700 is characterised by very high long-term temperature resistance and good insulating properties.

Data	Value	Unit
Operating temperature short term	800	°C
Operating temperature long term	700	°C
Thermal conductivity	0,30	W/mk
Coefficient of expansion (in length and width)	10*10 ⁻⁶	1/K
Compressive strength at 23 °C	340	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	100	N/mm ²
Density	2,1	g/cm ³

Delivery forms:

Standard size 1200 x 1000 mm
Standard thicknesses 6 - 25 mm

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

Application:

cosTherm[®] G.700 is used in inductive soldering systems or as full-surface insulation in machines and systems subject to high thermal loads.

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.