

OVERVIEW TECHNICAL DATA

cosTherm[®] 4000 plus

Product Description:

cosTherm[®] 4000 plus is a special material which is based on glass fibres combined with a high insulating resin matrix. The optimized combination of these first-class raw materials leads to an outstanding insulation effect and a very good compressive strength.

Data	Value	Unit
Operating temperature short term	250	°C
Operating temperature long term	230	°C
Thermal conductivity	0,16	W/mk
Coefficient of expansion (in length and width)	16*10 ⁻⁶	1/K
Compressive strength at 23 °C	450	N/mm ²
Compressive strength at 200 °C	220	N/mm ²
Bending strength at 23 °C	200	N/mm ²
Bending strength at 200 °C	120	N/mm ²
Density	1,4	g/cm ³

Delivery forms:

Standard size 2400 x 1200 mm
Standard thicknesses 5 - 25 mm

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

Application:

Because of its outstanding insulation effect, cosTherm[®] 4000 plus is used as mechanical part or insulation plate. Especially companies in the rubber processing, plastics processing and wood processing industries use cosTherm[®] 4000 plus to insulate heated presses, moulds or dies. Also in the mechanical construction, cosTherm[®] 4000 plus is used in many different applications.

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.