

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.