

## OVERVIEW TECHNICAL DATA

**cosTherm<sup>®</sup> 4000****Product Description:**

cosTherm<sup>®</sup> 4000 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	200	°C
Thermal conductivity	0,12	W/mk
Coefficient of expansion (in length and width)	28*10 <sup>-6</sup>	1/K
Compressive strength at 23 °C	320	N/mm <sup>2</sup>
Compressive strength at 200 °C	110	N/mm <sup>2</sup>
Bending strength at 23 °C	200	N/mm <sup>2</sup>
Bending strength at 200 °C	60	N/mm <sup>2</sup>
Density	1,35	g/cm <sup>3</sup>

**Delivery forms:**

Standard size 3000 x 1250 mm  
Standard thicknesses 5 - 30 mm

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

**Application:**

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

Additional technical information is available up on request.