

OVERVIEW TECHNICAL DATA

cosTherm[®] 1600

Product Description:

cosTherm[®] 1600 is a laminate based on a high quality glass fibre combined with temperature resistant high class thermosetting resin. cosTherm[®] 1600 is characterized by outstanding dimension stability, high continuous service temperature and a good insulation effect.

Data	Value	Unit
Operating temperature short term	240	°C
Operating temperature long term	210	°C
Thermal conductivity	0,30	W/mk
Coefficient of expansion (in length and width)	12*10 ⁻⁶	1/K
Compressive strength at 23 °C	600	N/mm ²
Compressive strength at 200 °C	280	N/mm ²
Bending strength at 23 °C	400	N/mm ²
Bending strength at 200 °C	130	N/mm ²
Density	2	g/cm ³

Delivery forms:

Standard size 3000 x 1250 mm
Standard thicknesses 6 - 30 mm

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

Application:

cosTherm[®] 1600 is used as insulation plate at heated tools and moulds of the plastics, rubber and metal working industries as well as insulation in heated presses.

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.