

## OVERVIEW TECHNICAL DATA

**cosTherm<sup>®</sup> E.230 HD****Product Description:**

cosTherm<sup>®</sup> E.230 HD is a laminate based on a high quality glass fibre combined with temperature resistant high class thermosetting resin. cosTherm<sup>®</sup> E.230 HD is characterized by outstanding dimension stability, very high continuous service temperature and a good insulation effect.

Data	Value	Unit
Operating temperature short term	280	°C
Operating temperature long term	250	°C
Thermal conductivity	0,30	W/mk
Coefficient of expansion (in length and width)	11 * 10 <sup>-6</sup>	1/K
Coefficient of expansion (z-axis)	16 * 10 <sup>-6</sup>	1/K
Compressive strength at 23 °C	750	N/mm <sup>2</sup>
Compressive strength at 200 °C	500	N/mm <sup>2</sup>
Bending strength at 23 °C	720	N/mm <sup>2</sup>
Density	2	g/cm <sup>3</sup>

**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<sup>®</sup> E.230 HD 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.