

OVERVIEW TECHNICAL DATA

cosTherm[®] S.280**Product Description:**

cosTherm[®] S.280 is an insulation material based on high quality fine weave glass fibre combined with temperature resistant high class thermosetting resin. cosTherm[®] S.280 is characterized by an outstanding insulation effect and a very high long-term temperature resistance.

Data	Value	Unit
Operating temperature short term	350	°C
Operating temperature long term	280	°C
Thermal conductivity	0,22	W/mk
Coefficient of expansion (in length and width)	8*10 ⁻⁶	1/K
Compressive strength at 23 °C	450	N/mm ²
Compressive strength at 200 °C	200	N/mm ²
Bending strength at 23 °C	120	N/mm ²
Bending strength at 200 °C	37	N/mm ²
Density	1,85	g/cm ³

Delivery forms:

Standard size 2800 x 1240 mm
Standard thicknesses 6 - 30 mm

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

Application:

cosTherm[®] S.280 is the perfect insulation material for applications with a long-term temperature stress exceeding 250 °C and a high mechanical load.

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.