

OVERVIEW TECHNICAL DATA

PressTherm[®] GL

Material description	Composite material made of resin-bonded mica
Color	grey
Uses	Thermal insulation components for press construction
Availability	Panels, blanks and components/assemblies according to drawings

Physical properties

Properties	Test standard	Unit	Value
Density	ISO 1183	g/cm ³	2,1
Water absorption	ISO 62	%	0,8

Thermal properties

Properties	Test standard	Unit	Value
Application temperature, continuous	–	°C	500
Application temperature, short-term	–	°C	600
Coefficient of linear expansion (L/ l)	DIN 51045	10 ⁻⁶ x K ⁻¹	10/100
Thermal conductivity	DIN 52612	W/mK	0,26

Mechanical properties

Properties	Test standard	Unit	Value
Compressive strength at 23 °C	ISO 604	N/mm ²	400
Compressive strength at 200 °C	ISO 604	N/mm ²	250
Flexural strength at 23 °C	ISO 178	N/mm ²	200
Settling behaviour at 260 °C and 30 N/mm ²	–	%	3,5
Settling behavior at 260 °C and 70 N/mm ²	–	%	4,9

Last update: 11/2014

The values listed were determined on standard test specimens. The material properties may differ from these values depending on the application and the component geometry.

Our consulting engineers and technicians are at your disposal to clarify the exact suitability of the material.