

## OVERVIEW TECHNICAL DATA

# PressTherm® GL

<b>Product description</b>	Engineered composite material made of resin-bound mica
<b>Standard colour</b>	grey
<b>Main applications</b>	Thermal insulation parts for heated presses
<b>Delivery program</b>	Sheets, panels and highly precise machined parts and finished components

## Physical characteristics

Properties	Test Standard	Unit	Typical value
Specific gravity	ISO 1183	g/cm <sup>3</sup>	2,1
Water absorption	ISO 62	%	0,8

## Thermal characteristics

Properties	Test Standard	Unit	Typical value
Operating temperature, continuous	—	°C	500
Operating temperature, short-term	—	°C	600
Coeff. of linear thermal expansion (-/+II)	DIN 51045	10 <sup>-6</sup> x K <sup>-1</sup>	10/100
Thermal conductivity	DIN 52612	W/mK	0,26

## Mechanical characteristics

Properties	Test Standard	Unit	Typical value
Compressive strength at 23 °C	ISO 604	N/mm <sup>2</sup>	400
Compressive strength at 200 °C	ISO 604	N/mm <sup>2</sup>	250
Flexural strength at 23 °C	ISO 178	N/mm <sup>2</sup>	200
Rate of Settling at 260°C and 30 N/mm <sup>2</sup>	—	%	3,5
Rate of Settling at 260°C and 70 N/mm <sup>2</sup>	—	%	4,9

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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.

Please contact our applications and sales engineers to clarify the suitability of the material for your application.