

OVERVIEW TECHNICAL DATA

PressTherm® GL

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

Physical characteristics

Properties	Test Standard	Unit	Typical value
Specific gravity	ISO 1183	g/cm ³	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 ⁻⁶ x K ⁻¹	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 ²	400
Compressive strength at 200 °C	ISO 604	N/mm ²	250
Flexural strength at 23 °C	ISO 178	N/mm ²	200
Rate of Settling at 260°C and 30 N/mm ²	-	%	3,5
Rate of Settling at 260°C and 70 N/mm ²	-	%	4,9

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The standard values shown in this data sheet are measured by standard test methods. Depending on operation terms and dimensions the material properties can differ from these values.

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