

OVERVIEW TECHNICAL DATA

PressTherm[®] WD 23-1

Product description	Engineered composite material made of resin-bound glass fabric
Standard colour	red-brown
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	1,95
Water absorption	ISO 62	%	0,1

Thermal characteristics

Properties	Test Standard	Unit	Typical value
Operating temperature, continuous	—	°C	230
Operating temperature, short-term	—	°C	250
Coeff. of linear thermal expansion	DIN 51045	10 ⁻⁶ x K ⁻¹	13
Thermal conductivity	DIN 52612	W/mK	0,23

Mechanical characteristics

Properties	Test Standard	Unit	Typical value
Compressive strength at 23 °C	ISO 604	N/mm ²	500
Compressive strength at 230 °C	ISO 604	N/mm ²	320
Flexural strength at 23 °C	ISO 178	N/mm ²	425
Modul of elasticity at 23 °C	ISO 178	N/mm ²	24000
Rate of Settling at 230 °C and 70 N/mm ²	—	%	0,5
Rate of Settling at 230 °C and 30 N/mm ²	—	%	0,3
Split load	DIN 53463	N	3500

Issue: 11/2014

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.