

OVERVIEW TECHNICAL DATA

PressTherm® WD 280

Product description	Isotropic engineered composite material made of resin-bound glass fiber and fillers
Standard colour	beige
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	1,9
Water absorption	ISO 62	%	0,1

Thermal characteristics

Properties	Test Standard	Unit	Typical value
Operating temperature, continuous	-	°C	280
Operating temperature, short-term	-	°C	300
Coeff. of linear thermal expansion	DIN 51045	10 ⁻⁶ x K ⁻¹	20
Thermal conductivity	DIN 52612	W/mK	0,28

Mechanical characteristics

Properties	Test Standard	Unit	Typical value
Compressive strength at 23 °C	ISO 604	N/mm ²	150
Compressive strength at 250 °C	ISO 604	N/mm ²	130
Rate of Settling at 250 °C and 30 N/mm ²	-	%	1,1
Rate of Settling at 280 °C and 30 N/mm ²	-	%	1,2

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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.