

OVERVIEW TECHNICAL DATA

PressTherm® WD 25-1

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| Product description | Engineered composite material made of resin-bound glass fabric |
| Standard colour | 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 | 1,9 |
| Water absorption | ISO 62 | % | 0,1 |

Thermal characteristics

| Properties | Test Standard | Unit | Typical value |
|------------------------------------|---------------|------------------------------------|---------------|
| Operating temperature, continuous | — | °C | 250 |
| Operating temperature, short-term | — | °C | 260 |
| Coeff. of linear thermal expansion | DIN 51045 | 10 ⁻⁶ x K ⁻¹ | 19 |
| 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 | 645 |
| Compressive strength at 250 °C | ISO 604 | N/mm ² | 340 |
| Flexural strength at 23 °C | ISO 178 | N/mm ² | 480 |
| Modul of elasticity at 23 °C | ISO 178 | N/mm ² | 24000 |
| Rate of Settling at 250 °C and 70 N/mm ² | — | % | 1 |
| Split load | DIN 53463 | N | 3500 |

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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.