

PressTherm® WD 280

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|----------------------------|---|
| 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.