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Industrial

Technical Data Sheet Glastherm[®] HT 220

Typical characteristics

- Material compuesto reforzado con fibra desarrollado para aplicaciones en el campo del aislamiento térmico (temperatura máxima de funcionamiento continuo 220°C)
- Baja conductividad térmica

Typical industries

- Construcción de contenedores químico
- Construcción de máquinas e
- instalaciones
- Oleoductos
- Petróleo y gas

| | Test method | Unit | Guideline value |
|---|---------------|------------------------------------|-----------------|
| Mechanical properties | | | |
| Density | ISO 1183 | g / cm ³ | 1,85 |
| Flexural strength [⊥] | ISO 178 | MPa | 360 |
| Modulus of elasticity in flexion $^{\perp}$ | ISO 178 | MPa | 18000 |
| Compressive strength ^{1) ⊥} | ISO 604 | MPa | 500 |
| Compressive strength ^{1) ⊥} +200°C | ISO 604 | MPa | 360 |
| Tensile strength II | ISO 527 | MPa | 280 |
| Impact strength [⊥] (Charpy) | ISO 179 | kJ / m ² | 150 |
| Splitting force II | DIN 53463 | N | 4000 |
| Thermal properties | | | |
| Thermal conductivity ^{2) ⊥} | | W / (m * K) | ≈ 0,25 |
| Coefficient of linear expansion II | TMA (Mettler) | 10 ⁻⁶ x K ⁻¹ | ≈ 10 - 15 |
| Max. continuous operating temperature | | °C | 220 |
| Physical properties | | | |
| Water absorption (4mm thickness) | ISO 62 | % | 0,1 |
| | | | |

= perpendicular to the lamination II = parallel to the lamination

 $^{\rm l)}$ Sample size: 20 x 20 x 20 mm

 $^{2)}$ Thermal conductivity calculated by means of reference measurements on samples of 300 x 200 x 10 mm

The data stated above are average values verified on the basis of regular statistical tests and controls. All information in this publication is based on current technical

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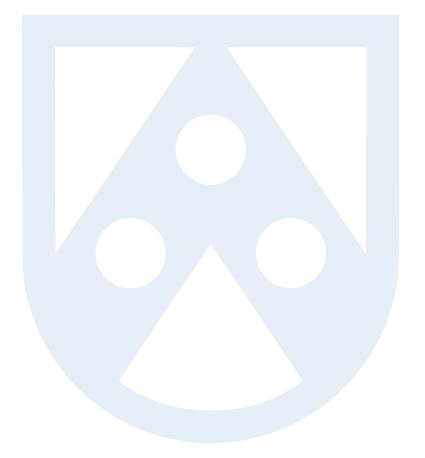
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