

テクニカルデータシート

Glastherm[®] HT LC

製品の特徴

- 断熱用途に開発された繊維強化複合材料
- 低い熱伝導率
- 耐熱性

製品の用途例

- 化学産業
- 機械工学
- パイプライン
- 石油ガス

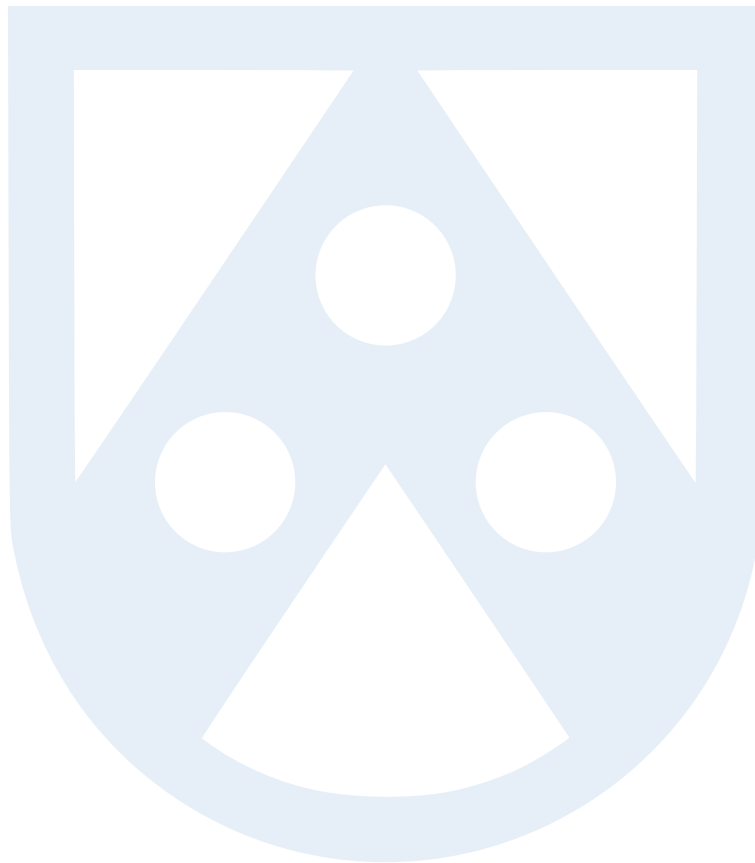
	試験法	単位	値
機械的物性			
密度	ISO 1183	g / cm ³	1,5
曲げ強度 [⊥]	ISO 178	MPa	170
たわみ荷重弾性係数 [⊥]	ISO 178	MPa	10000
圧縮強度 ^{1) ⊥}	ISO 604	MPa	300
圧縮強度 ^{1) ⊥} +200°C	ISO 604	MPa	90
衝撃強度(シャルピー衝撃試験) [⊥]	ISO 179	kJ / m ²	80
熱的物性			
熱伝導率 ^{2) ⊥}		W / (m * K)	0,18
線膨張係数 II	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	≈ 20
最高連続使用温度		°C	200
機械的特性			
吸水率 (4mm厚)	ISO 62	%	0,2

L = perpendicular to the lamination II = parallel to the lamination

¹⁾ 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

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