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

⊥ = 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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