テクニカルデータシート

Glastherm® HT 250 HQ

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
- High compressive strength

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	2,0
曲げ強度 ⊥	ISO 178	MPa	600
たわみ荷重弾性係数⊥	ISO 178	MPa	30000
圧縮強度[1] ⊥	ISO 604	MPa	700
圧縮強度[1] ⊥ +200°C	ISO 604	MPa	510
引張強度II	ISO 527	MPa	400
衝撃強度(シャルピー衝撃試験)⊥	ISO 179	kJ / m^2	300
熱的物性			
熱伝導率[2] ⊥		W / (m * K)	≈ 0,27
線膨張係数 II	TMA (Mettler)	10^{-6} x K^{-1}	≈ 10 - 15
最高連続使用温度		°C	250
機械的特性			
吸水率 (4mm厚)	ISO 62	%	0,1

⊥ = 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

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 knowledge and experience. Due to the large number of possible influences during processing and application, it does not exempt the user/processor from carrying out their own tests and trials. Responsibility for the evaluation of the end product for the intended use and compliance with the applicable relevant legal requirements lies exclusively with the user/processor as well as the distributor of the respective product/end product. Suggested uses do not constitute an assurance of suitability for the recommended purpose. The information in this publication and our declarations in Connection with this publication do not constitute acceptance of a guaranteed or warranted characteristic. Guarantee declarations require our separate express written declaration in order to be effective. We reserve the right to adapt the product to technical progress and new developments. The products described in this publication are only sold to customers with the appropriate expertise and not to consumers. Please do not hesitate to contact us if you have any questions or if you experience any specific application problems. If the application for which our products are used is subject to an official approval requirement, the user/processor is responsible for obtaining these approvals. Our application recommendations do not exempt the user/processor from the obligation to examine and, if necessary, clarify the possibility of infringements of third-party rights. In all other respects, we refer to our General Terms and Conditions (GTC). These are available at: www.roechling-industrial.com/gtc

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Print: 22/11/2026 • Release: 18/11/2025 • Version: 1.0
PIM-ID: 716637 • PIM-Code: 1077-56-11.12.3-9.5.5.5-16
Company-IDs: 20000-1

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