

テクニカルデータシート

Glastherm[®] HT 200 (SMC)

製品の特徴

- 断熱用途に開発された繊維強化複合材料

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	1,8
曲げ強度 [⊥]	ISO 178	MPa	200
たわみ荷重弾性係数 [⊥]	ISO 178	MPa	12000
圧縮強度 ^{1) ⊥}	ISO 604	MPa	320
圧縮強度 ^{1) ⊥ +200°C}	ISO 604	MPa	160
引張強度II	ISO 527	MPa	120
衝撃強度(シャルピー衝撃試験) [⊥]	ISO 179	kJ / m ²	60
Splitting force II	DIN 53463	N	2200
熱的物性			
熱伝導率 ^{2) ⊥}		W / (m * K)	≈ 0,3
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 (method 1)	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.

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Röchling Industrial SE & Co. KG

Röchlingstr. 1 • 49733 Haren (Ems)/Germany (DE) • Tel. +49 5934 701-0
info@roechling-plastics.com • www.roechling.com/industrial/haren

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