

テクニカルデータシート

Durolight® S1

製品の特徴

- 極低温用途に最適
- 低い熱伝導率
- 軽量

製品の用途例

- LNG エンジン- 極低温断熱
- パイプライン
- 海中
- ヘルスケア

	試験法	単位	値
機械的物性			
密度	ISO 1183	g / cm ³	1,3
曲げ強度 [⊥]	ISO 178	MPa	130
たわみ荷重弾性係数 [⊥]	ISO 178	MPa	8000
圧縮強度 ^{1) ⊥}	ISO 604	MPa	250
引張強度II	ISO 527	MPa	60
熱的物性			
線膨張係数 II	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	15 - 20
熱伝導率 [⊥] RT		W / (m * K)	≈ 0,22
熱伝導率 [⊥] -196		W / (m * K)	≈ 0,18 ²⁾
機械的特性			
吸水率 ((method 1)	ISO 62	%	< 0,2

⊥ = perpendicular to the lamination II = parallel to the lamination

¹⁾ Sample size: 20 x 20 x 20 mm

²⁾ Extrapolated value

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