

テクニカルデータシート

Durolight® S7

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
一般的物性			
密度	DIN EN ISO 1183-1	g / cm ³	1,9
機械的物性			
曲げ強度 ¹⁾ ⊥	ISO 178	MPa	500
曲げ強度 ⊥ +150°C	ISO 178	MPa	250
たわみ荷重弾性係数	ISO 178	MPa	22500
たわみ荷重弾性係数 ⊥ +150°C	ISO 178	MPa	17000
圧縮強度 ⊥	ISO 604	MPa	500
衝撃強度(シャルピー衝撃試験) ⊥	ISO 179	kJ / m ²	250
熱的物性			
線膨張係数 ⊥	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	40-60
線膨張係数 II	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	15-30
熱伝導率	ISO 8302	W/m K	0,35
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 80 x 10 x 4 mm, support distance 64 mm, tension zone unmachined

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