

Technical Data Sheet

Durolight® S7

GFK-EP

Typical industries

- Propulsores de gas natural licuado (GNL) - Aislamientos para bajas temperaturas
- Oleoductos
- Aplicaciones submarinas
- Healthcare

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,9
Mechanical properties			
Flexural strength ¹⁾ ⊥	ISO 178	MPa	500
Flexural strength ¹⁾ ⊥ +150°C	ISO 178	MPa	250
Modulus of elasticity in flexion ¹⁾ ⊥	ISO 178	MPa	22500
Modulus of elasticity in flexion ⊥ +150°C	ISO 178	MPa	17000
Compressive strength ⊥	ISO 604	MPa	500
Impact strength ⊥ (Charpy)	ISO 179	kJ / m ²	250
Thermal properties			
Coefficient of linear expansion ⊥	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	40-60
Coefficient of linear expansion II	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	15-30
Thermal conductivity	ISO 8302	W/m K	0,35
Physical properties			
Water absorption (method I)	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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Print: 10/07/2025 • Release: 20/09/2023 • Version: 1.0
 PIM-Version: 29 • PIM-ID: 715184 • PIM-Code: 29-21-3.5.5.9-18
 Company-IDs: 20000-1

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