

## **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 <sup>3</sup>	1,9
Mechanical properties			
Flexural strength <sup>1) <math>\perp</math></sup>	ISO 178	MPa	500
Flexural strength 1) 1 +150°C	ISO 178	MPa	250
Modulus of elasticity in flexion 1) 1	ISO 178	MPa	22500
Modulus of elasticity in flexion 1 +150°C	ISO 178	MPa	17000
Compressive strength <sup>1</sup>	ISO 604	MPa	500
Impact strength <sup>1</sup> (Charpy)	ISO 179	kJ/m <sup>2</sup>	250
Thermal properties			
Coefficient of linear expansion <sup>1</sup>	TMA (Mettler)	10 <sup>-6</sup> x K <sup>-1</sup>	40-60
Coefficient of linear expansion II	TMA (Mettler)	10 <sup>-6</sup> x K <sup>-1</sup>	15-30
Thermal conductivity	ISO 8302	W/m K	0,35
Physical properties			
Water absorption (method 1)	ISO 62	%	<0,2

<sup>=</sup> 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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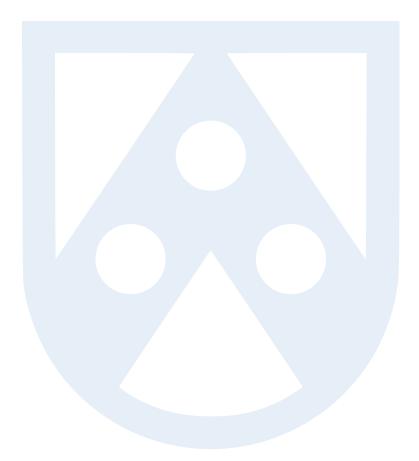
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