

## **Technical Data Sheet**

Durolight<sup>®</sup> S7

GFK-EP

## **Typical industries**

- LNG 发动机 低温隔热件
- 管路
- 水下
- 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) ⊥</sup>	ISO 178	MPa	500
Flexural strength <sup>1) ⊥</sup> +150°C	ISO 178	MPa	250
Modulus of elasticity in flexion <sup>1) <math>\perp</math></sup>	ISO 178	MPa	22500
Modulus of elasticity in flexion $^{\perp}$ +150°C	ISO 178	MPa	17000
Compressive strength <sup>⊥</sup>	ISO 604	MPa	500
Impact strength <sup>⊥</sup> (Charpy)	ISO 179	kJ / m <sup>2</sup>	250
Thermal properties			
Coefficient of linear expansion <sup>⊥</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

 $^\perp$  = 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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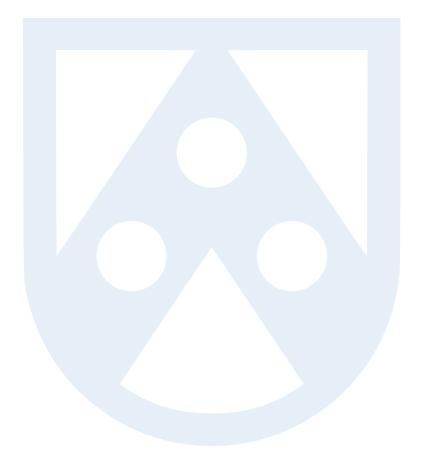
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