

Technický datový list

Durolight® S7

Typické oblasti použití

- LNG pohony – Nízkoteplotní izolace
- Potrubí
- Podmořské aplikace
- Zdravotní péče

	Testovací metoda	Jednotka	Orientační hodnota
Obecné vlastnosti			
Hustota	DIN EN ISO 1183-1	g / cm ³	1,9
Mechanické vlastnosti			
Pevnost v ohybu ¹⁾ ⊥	ISO 178	MPa	500
Pevnost v ohybu ¹⁾ ⊥ +150°C	ISO 178	MPa	250
Modul pružnosti v ohybu ¹⁾ ⊥	ISO 178	MPa	22500
Modul pružnosti v ohybu ⊥ +150 °C	ISO 178	MPa	17000
Pevnost v tlaku ⊥	ISO 604	MPa	500
Rázová houževnatost ⊥ (Charpy)	ISO 179	kJ / m ²	250
Tepelné vlastnosti			
Součinitel lineární roztažnosti ⊥	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	40-60
Součinitel lineární roztažnosti II	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	15-30
Tepelná vodivost	ISO 8302	W/m K	0,35
Fyzikální vlastnosti			
Absorpce vody (metoda 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

The data stated above are average values verified on the basis of regular statistical tests and controls. All information in this publication is based on current technical knowledge and experience. Due to the large number of possible influences during processing and application, it does not exempt the user/processor from carrying out their own tests and trials. Responsibility for the evaluation of the end product for the intended use and compliance with the applicable relevant legal requirements lies exclusively with the user/processor as well as the distributor of the respective product/end product. Suggested uses do not constitute an assurance of suitability for the recommended purpose. The information in this publication and our declarations in Connection with this publication do not constitute acceptance of a guaranteed or warranted characteristic. Guarantee declarations require our separate express written declaration in order to be effective. We reserve the right to adapt the product to technical progress and new developments. The products described in this publication are only sold to

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