

Technický datový list

Durolight® S7

Typické oblasti použití

- LNG pohony – Nízkoteplotní izolace
- Potrubí
- Subsea
- 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

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Print: 11/12/2025 • Vydáno: 20/09/2023 • Verze: 1.0
PIM-verze: 29 • PIM-ID: 715184 • PIM-kód: 29-24-3.5.5.27-18
Company-IDs: 20000-1

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