

Composites

Datasheet

Soric® LRC



Lantor Soric® LRC

- The cost effective solution for closed mould processes
- Is used as core material and infusion medium
- Is a pressure stable polyester nonwoven and compatible with all regular types of resins, including Polyester, Vinylester, Phenolic and Epoxy
- Is suitable for closed mould processes, including Infusion, RTM Light, RTM Heavy

Applications Lantor Soric® LRC

- Marine: hulls, decks and structures of boats and yachts
- Transportation: parts and panels of cars, trailers, trucks and RV's
- Mass transit: interior and exterior of trains, light rail and buses
- Leisure: kayaks, surfboards, pools and tubs
- Industrial: cladding panels, fans, containers and tanks
- Wind Energy: nacelle covers and spinners

Properties		LRC 1.5	LRC 2	LRC 3
Thickness	mm	1,5	2,0	3,0
Thickness loss at 0,8 bar	%	<15	<15	<15
Roll length	m	70	60	40
Roll width	m	1,27	1,27	1,27
Max processing temperature	°C	170	170	170
Dry weight	g/m ²	115	155	235
Resin uptake	kg/m ²	0,6	0,8	1,0
Density impregnated	kg/m ³	470	470	450

Mechanical properties*	unit	value	test method
Flexural strength	MPa	11	ASTM D790
Flexural modules	MPa	1015	ASTM D790
Tensile strength across layers	MPa	3,5	ASTM C297
Compression strength: 10% strain	MPa	4,5	ISO 844
Shear strength	MPa	3	ASTM C273-61
Shear modules	MPa	26	ASTM C273-61

* Typical mechanical properties of Lantor Soric® LRC 2 impregnated with unsaturated polyester resin

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