

COMPOSITES

Datasheet Sorlic® LRC

Lantor Sorlic® 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 Sorlic® 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
- Infra structure: bridge panels

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Dimensional data

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

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

Mechanical properties	unit	value	test method
Flexural strength	MPa	11	ASTM D790
Flexural modulus	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 modulus	MPa	26	ASTM C273-61
*Sorlic® LRC 2			

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