

# Composites

## Datasheet

# Soric® XF



### Lantor Soric® XF

- 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® XF

- 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

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Properties		XF 1.5	XF 2	XF 3	XF 4	XF 5	XF 6	XF 10
Thickness	mm	1,5	2,0	3,0	4,0	5,0	6,0	10,0
Thickness loss at 0,8 bar	%	<10	<10	<10	<10	<10	<10	<10
Roll length	m	100	80	50	40	30	25	15
Roll width	m	1,27	1,27	1,27	1,27	1,27	1,27	1,27
Max processing temperature °C		170	170	170	170	170	170	170
Dry weight	g/m <sup>2</sup>	100	135	180	250	320	345	625
Resin uptake	kg/m <sup>2</sup>	1,0	1,0	1,4	1,9	2,4	2,8	5,4
Density impregnated	kg/m <sup>3</sup>	650	600	600	600	600	600	600

Mechanical properties*	unit	value	test method
Flexural strength	MPa	8	ASTM D790
Flexural modules	MPa	800	ASTM D790
Tensile strength across layers	MPa	4	ASTM C297
Compression strength: 10% strain	MPa	8	ISO 844
Shear strength	MPa	3.5	ASTM C273-61
Shear modules	MPa	35	ASTM C273-61

\* Typical mechanical properties of Lantor Soric®XF 3 impregnated with unsaturated polyester resin

### Information

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enabling performance

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