

# COMPOSITES

## Datasheet Soric® SF

### Lantor Soric®SF

- 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®SF

- 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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### Dimensional data

Properties		SF 2	SF 3
Thickness	mm	2,0	3,0
Roll lenght	m	80	50
Roll width	m	1,27	1,27
Thickness loss at 0,8 bar	%	<15	<15
Max processing temperature	°C	170	170
Resin uptake	kg/m <sup>2</sup>	1,0	1,3
Dry weight	g/m <sup>2</sup>	125	165
Density impregnated	kg/m <sup>3</sup>	700	600

### Typical mechanical properties of Lantor Soric®SF\* impregnated with unsaturated polyesther resin

Mechanical properties	unit	value	test method
Flexural strenght	MPa	16	ASTM D790
Flexural modules	MPa	1000	ASTM D790
Tensile strenght across layers	MPa	6	ASTM C297
Compression strenght: 10% strain	MPa	4	ISO 844
Shear strenght	MPa	6	ASTM C273-61
Shear modules	MPa	40	ASTM C273-61
*Soric®SF 2			

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