

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 length	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 ²	1,0	1,3
Dry weight	g/m ²	125	165
Density impregnated	kg/m ³	700	600

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

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

Information

PO box 45 - 3900 AA
Verlaat 22 - 3901 RG
Veenendaal
The Netherlands
T +31(0) 318 537 111
composites@lantor.com

enabling performance
www.lantor.com

