

# COMPOSITES

## Datasheet Sorlic® TF



### Lantor Sorlic® TF

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

### Applications Lantor Sorlic® TF

- 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

### Dimensional data

Properties		TF 1.5	TF 2	TF 3
Thickness	mm	1,5	2,0	3,0
Roll length	m	120	80	50
Roll width	m	1,27	1,27	1,27
Thickness loss at 0,8 bar	%	<25	<25	<25
Max processing temp.	°C	170	170	170
Resin uptake	kg/m <sup>2</sup>	0,8	1,0	1,4
Dry weight	g/m <sup>2</sup>	90	120	160
Density impregnated	kg/m <sup>3</sup>	700	700	700

### Typical mechanical properties of Lantor Sorlic® TF\* impregnated with unsaturated polyester resin

Mechanical properties	unit	value	test method
Flexural strength	MPa	19	ASTM D790
Flexural modulus	MPa	1500	ASTM D790
Tensile strength across layers	MPa	7	ASTM C297
Compression strength: 10% strain	MPa	4	ISO 844
Shear strength	MPa	7	ASTM C273-61
Shear modulus	MPa	34	ASTM C273-61
*Sorlic® TF 2			

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### 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](http://www.lantor.com)

