

**MAXIMISE WEIGHT REDUCTION IN STRUCTURAL CORE
APPLICATIONS**
GENERAL INFORMATION

- 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

DIMENSIONAL DATA

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

TYPICAL MECHANICAL PROPERTIES OF LANTOR SORIC® XF*
IMPREGNATED WITH UNSATURATED POLYESTHER RESIN

Mechanical properties	unit	value	test method
Flexural strenght	MPa	8	ASTM D790
Flexural modules	MPa	800	ASTM D790
Tensile strenght across layers	MPa	4	ASTM C297
Compression strenght: 10% strain	MPa	8	ISO 844
Shear strenght	MPa	3,5	ASTM C273-61
Shear modules	MPa	35	ASTM C273-61
*Soric® XF 3			

