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 and spinners

Dimensional data

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
Roll length	m	70	80	50	40	30	25	15
Roll width	m	1,27	1,27	1,27	1,27	1,27	1,27	1,27
Thickness loss at 0,8 bar	%	<10	<10	<10	<10	<10	<10	<10
Max processing temp.	°C	170	170	170	170	170	170	170
Resin uptake	kg/m^2	1,0	1,0	1,4	1,9	2,4	2,8	5,4
Dry weight	g/m^2	100	135	180	250	320	345	625
Density impregnated	kg/m^3	650	600	600	600	600	600	600

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

Mechanical properties	unit	value	test method
Flexural strength	MPa	8	ASTM D790
Flexural modulus	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 modulus	MPa	35	ASTM C273-61
*Soric® XF 3			

Information

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