

COMPOSITES

Datasheet Soric® XXF



Lantor Soric®XXF

- The cost effective flexible infusion core
- 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®XXF

- Wind Energy: blades
- Marine: hulls, decks, and structures of boats and yachts
- Infrastructural: bridge panels

Dimensional data

Properties		XXF 1.5	XXF 2
Thickness	mm	1,5	2,0
Roll length	m	100	50
Roll width	m	1,27	1,27
Thickness loss at 0,8 bar	%	<10	<10
Max processing temperature	°C	170	170
Resin uptake	kg/m ²	1,0	1,2
Dry weight	g/m ²	100	125
Density impregnated	kg/m ³	650	650

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

Mechanical properties	unit	value	test method
Flexural strength	MPa	40	ASTM D790
Flexural modulus	MPa	1600	ASTM D790
Tensile strength across layers	MPa	7	ASTM C297
Compression strength: 10% strain	MPa	3,5	ISO 844
Shear strength	MPa	9,5	ASTM C273-61
Shear modulus	MPa	30	ASTM C273-61
*Soric®XXF 1.5			

The information contained in this document has been compiled in good faith by Lantor BV, but nevertheless no representation or warranty is given as to the accuracy or completeness of the (technical) information provided herein. Lantor BV can not be held liable of any damages arising from any (printing) errors or omissions in this information. Lantor BV reserves the right to make changes with respect to the information provide at any time without further notice.

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

