

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 | | | |

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