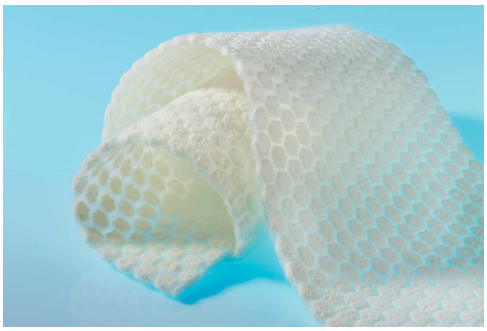
Lantor Soric® Flexible Core

Lantor Soric® is a core material and flow medium in one, designed for closed mould processes.



Lantor Soric is a polyester nonwoven material with a compression resistant cell structure. The pressure resistant cells, separated by channels, contain synthetic micro spheres. These cells do not absorb resin and therefore limit the total resin uptake. Since the cells are pressure resistant, they create thickness in the laminate even when pressure is applied by vacuum bag. The channels facilitate resin flow and form a pattern of cured resin with good mechanical properties and excellent bonding to outer skins. Because of the unique properties and characteristics, Lantor Soric can be used as a thin core, as an interlaminar flow medium and as print blocker (Soric TF).
Soric can be used in closed mould processes like vacuum infusion, RTM light, RTM etc.

Soric SF is the general purpose grade, balancing resin flow and surface quality. Soric SF is therefore especially suitable for thinner laminates.
Soric SF is available in thicknesses of 2 and 3 mm.

Soric XF maximises weight reduction in structural core applications. Soric XF offers the fastest resin flow for the lowest resin consumption and is therefore ideal for thicker laminates.
Soric XF is available in thicknesses of 2, 3, 4, 5 and 6 mm.

Soric TF is the ideal product for the most demanding cosmetic and surface finish requirements. Soric TF can be used as a core and also as a print blocker for infused laminates.
Soric TF is available in thicknesses of 1.5, 2 and 3 mm.

Development product:
Soric LRC is the latest development in the Soric grades and is a special grade for **L**ow **R**esin **C**onsumption and is therefore suitable in weight critical laminates.
Soric LRC (development grade) is available in thicknesses of 1.5, 2 and 3 mm.

In infused laminates, the use of Soric greatly improves overall product performance and process efficiency.
By acting as both a thin core and print barrier, as well as an integral infusion medium substantial savings in time are achieved with substantial reduction in 'disposables'.

Lantor Soric in marine boom

Novis Marine, manufacturers of the C&C and Tartan line of performance and cruising sailboats in Fairport Harbor, Ohio, has successfully achieved the goal of an integrated mainsail storage system. It is achieved by engineering on stiffness with high end materials like Carbon fibre weavings in combination with epoxy resin and Soric XF core/infusion medium.

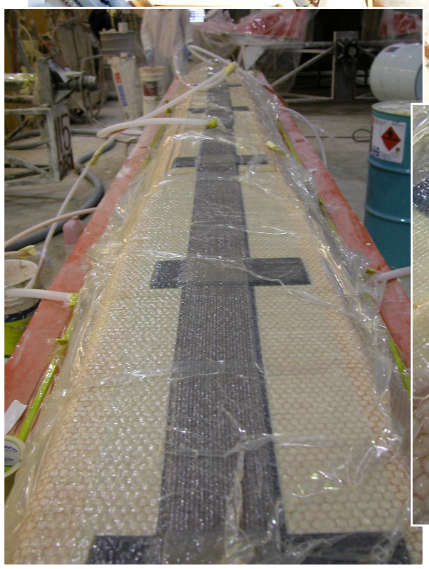
Customer:
Novis Marine
U.S.A.

Lantor Soric is used:
- for resin flow support
- high bending and compression strength

Laminate build-up:
- Carbon Fibre
- Lantor Soric XF
- Carbon Fibre

Production technology:
Vacuum Infusion

Resin used:
Epoxy resin



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