Fusicloth

Fabric Composite Membrane

Overview

Fusicloth is a composite membrane that integrates a binding polymer layer with a fabric implantable membrane. This innovative membrane provides an effective adhesion platform for stents and scaffolds, allowing for a seamless encapsulation process over nitinol frames without requiring sutures. Moreover, this process can be carried out at much lower temperatures (266°F / 180°C) than traditional methods.

The combination of the biocompatible binding layer and the fabric membrane grants Fusicloth customized mechanical properties, making it ideal for encapsulating various frame shapes and complex geometries.

As a leading provider of medical device components, we offer a wide array of resources, including a robust network of Field Application Engineers (FAEs). Our team is committed to helping you bring new technologies to the market by collaborating closely to assess frame designs, verify the feasibility of Fusicloth encapsulation through prototype samples, and ensure a smooth technology transfer. This approach enables you to integrate Fusicloth into your devices and components before they reach commercialization.

KEY PROPERTIES

- Biocompatible materials
- Microporous
- Isotropic mechanical properties
- Sterilizable (ETO)
- Low temperature bonding (266 °F / 180 °C)
- Non-reactive

APPLICATIONS

- Low-profile encapsulation of stents
- Implantable structures in the body
- Cardio valves and patches
- Septal occluders

medibrane
We've got you covered

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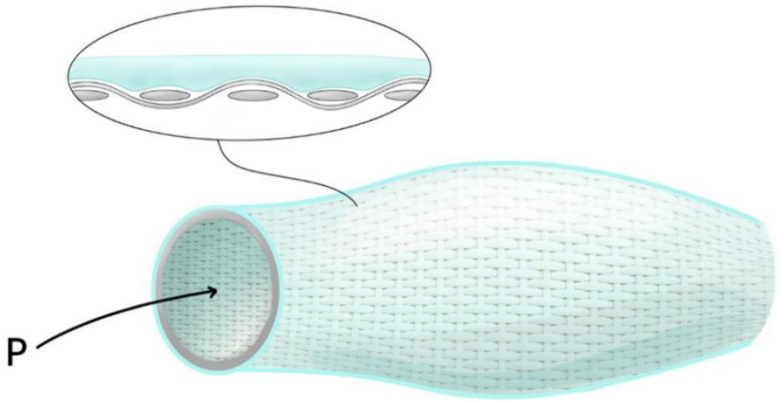

Every Fusicloth composite membrane is custom-made according to the specifications provided by

Membrane	
Width	Up to 6” (+/- 0.500)
Length	3”
Thickness	0.002” - 0.005”
Sleeves	
Diameter	0.02” – 1”
Length	10” Max
Thickness	0.002” - 0.005”