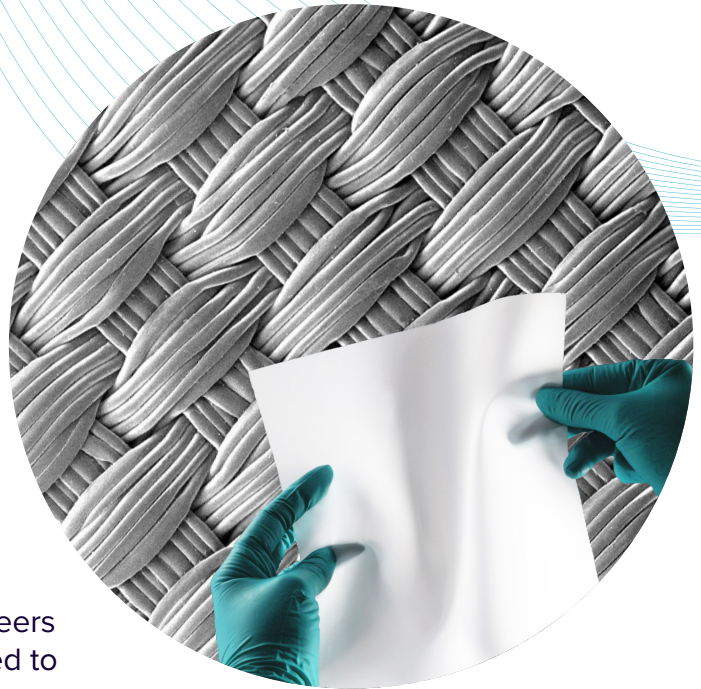


# Low- & Ultra-low-profile Medical Fabric

Secant Group's low-profile PET medical fabric streamlines the development of next-generation cardiovascular devices to help you meet new and emerging market needs.

The engineered properties of low-profile textiles reduce fabric thickness to enable minimally invasive transcatheter delivery. Low-profile PET medical fabric can be further customized by Secant Group's design team to meet your device performance requirements.

This off-the-shelf fabric enables medical device engineers to shorten development lead times and optimize speed to market and development costs.

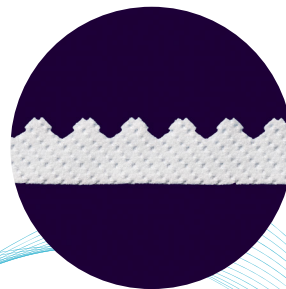
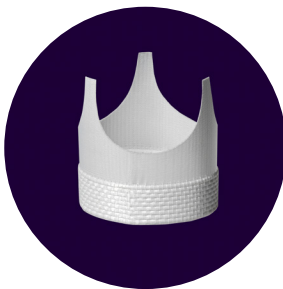


## Customization Options Include:

- Density
- Laser-cut shapes
- Permeability
- Polymer coatings
- Pore size
- Stretch properties
- Thickness

## Key Product Features:

- Available off the shelf
- Compaction for minimally invasive delivery
- High burst strength
- Low-permeability



## Properties and Characteristics

Part Number	Thickness (μ)	Water Permeability mL/min/cm2	Probe Burst (kN)	Suture Retention MD (N)	Suture Retention CD (N)
FBMW4941-HS (FBMW0351-HS)	63.5 - 101.6	≤ 900	≥ 0.165	≥ 4.5	≥ 4.0
FBMW4941-C (FBMW0351-C)	38.1 - 76.2	≤ 300	≥ 0.160	≥ 4.0	≥ 4.0
FBMW3976-HS (FBMW0352-HS)	83.4 - 106.7	≤ 900	≥ 0.285	≥ 7.0	≥ 7.0
FBMW3976-C (FBMW0352-C)	55.9 - 76.2	≤ 500	≥ 0.235	≥ 7.0	≥ 7.0
FBMW3928-HS (FBMW0353-HS)	111.8 - 142.2	≤ 400	≥ 0.250	≥ 4.0	≥ 7.5
FBMW3928-C (FBMW0353-C)	76.2 - 101.6	≤ 100	≥ 0.250	≥ 4.0	≥ 5.0
FBMW4999-C (FBMW0354-C)	50.8 - 76.2	≤ 300	≥ 0.175	≥ 3.5	≥ 4.0

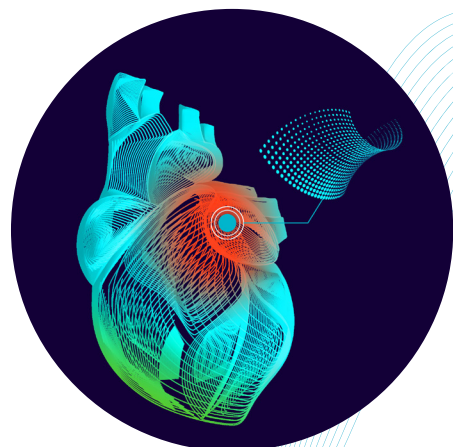
## Preliminary Results of Next-generation Ultra-low-profile Fabric

Part Number	Thickness (μ)	Water Permeability mL/min/cm2	Probe Burst (kN)	Suture Retention MD (N)	Suture Retention CD (N)
FSMW7374	52	< 800	≥ 0.160	≥ 4.5	≥ 4.5
FSMW5471	45	< 350	Contact Us	Contact Us	Contact Us
FSMW5397	52	< 400	Contact Us	Contact Us	Contact Us
FSMW5444 (FSMW2915)	55	< 1000	≥ 0.100	≥ 4.0	≥ 4.0

Information in parentheses denotes obsoleted part number

## Potential Applications

- Heart Valves
  - Repair
  - Replacement
- Vascular Grafts
  - Bypass
  - EVAR
- Other Cardiovascular Applications
  - Congestive Heart Failure
  - Filtration
  - LAA Occlusion
  - Membrane
  - PFO



## Advance Your Project from Sketch to Scale

For more information about our innovative medical textiles capabilities and services, visit [www.secant.com](http://www.secant.com) or contact us at [secant.marketing@secant.com](mailto:secant.marketing@secant.com).

