

Integrated Stent Membranes

Covered stents are widely used in diseases such as aortic dissection and aneurysms due to their excellent properties in the areas of release resistance, strength, and blood permeability. Integrated stent membranes, known as Cuff, Limb, and Mainbody, are the core materials used to make covered stents. AccuPath® has developed an integrated stent membrane with a smooth surface and low water permeability, which forms an ideal polymer material for the design of medical devices and manufacturing technology. These stent membranes feature seamless weaving to improve the integral strength of medical devices.



Key Features

- Low thickness, super strength
- Seamless design
- Smooth outer surfaces
- Low blood permeability
- Excellent biocompatibility

Applications

- Covered stents
- Covered material for valve annulus
- Covered material for self-expand devices

Technical Data	Unit	Typical Value
Inner Diameter	mm	0.6~52
Taper Range	mm	≤16
Wall Thickness	mm	0.06~0.11
Water Permeability	mL/(cm ² ·min)	≤300
Circumferential tensile strength	N/mm	≥5.5
Axial tensile strength	N/mm	≥6
Bursting strength	N	≥200
Shape	/	customized
Chemical properties	/	Meets GB/T 14233.1-2008 requirements
Biological properties	/	Meets GB/T GB/T 16886.5-2017; GB/T 16886.4-2003 requirements

Quality Management

AccuPath implements a strict ISO13485 quality management system and builds a standardized 10,000-grade purification workshop to ensure that the products meet the biological requirements of medical devices. At the same time, advanced manufacturing equipment and precision measuring instruments, as well as strict inspection and testing methods, ensure that the quality of the products meets the requirements for the use of high-end medical devices.

Ordering Information

Our experts can guide you in material selection, tubing specifications, and custom-cut lengths to fit your specific Products requirements.