

POREX® Virtek™ Medical PTFE

Materials & Filters

The changing global healthcare environment requires differentiated, reliable and reproducible medical materials to help provide precision, accuracy, and consistency in current and next generation medical devices. POREX® Virtek™ Medical PTFE materials and filters are the performance tested and technologically advanced portfolio of porous materials designed specifically for use in today's challenging medical-surgical device applications. POREX® Virtek™ Medical PTFE materials and filters, used in multiple applications, are engineered for medical device functionality and reliability, and available with wide ranging capabilities in flow and filtration. These filters can be designed with optimal airflow, bacterial filtration efficiency (BFE) and fluid barrier features. POREX's unparalleled material science, engineering, and manufacturing expertise, combined with internationally recognized quality and regulatory standards and six sigma disciplines, aids market driven product development, and helps improve the market value of medical device products by providing new, better or cost improved solutions. When performance counts, turn to POREX® Virtek™ Medical PTFE Materials & Filters and experience how POREX advances innovation and product outcomes and turns product ideas into reality.

Differentiated PTFE Features

- Raw materials in compliance with USP class VI and free of animal-derived additives
- High tensile strength
- Rolls widths from 8mm to 330mm
- Wide range of bonding techniques: adhesive backing, ultrasonic or heat welding
- Broad spectrum of uses

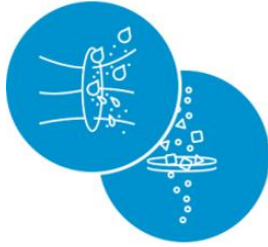
POREX Virtek™ Medical PTFE Material Data

POREX Virtek™ Medical PTFE	Thickness, mm, Nominal	Airflow, l/hr/cm ² , Typical at 70 mbar	BFE ² % Nominal	WEP, mbar Typical
MD10	0.13	107 (min 70)	>99.9	270 (min 175)
MD10L	0.30	85 (min 48)	>99.9	270 (min 175)
MD15	0.18	75 (min 45)	>99.99	370 (min 265)
MD20	0.25	25 (min 16)	>99.9999	520 (min 350)
MD22	0.10	17 (min 5)	>99.99	765 (min 500)
MD25	0.19	7 (min 2)	>99.9999	1050 (min 750)

² The Bacterial Filtration Efficiency (BFE) data is based on a modified version of ASTM

F2101. POREX® Virtek™ Medical PTFE materials exceeded the standard BFE value of 98%.

Main Functional Areas for Porex Virtek PTFE



vent & filter:

exchange of air, fumes, a gas, or water vapor while acting as fluid, particulate and bacteria barrier

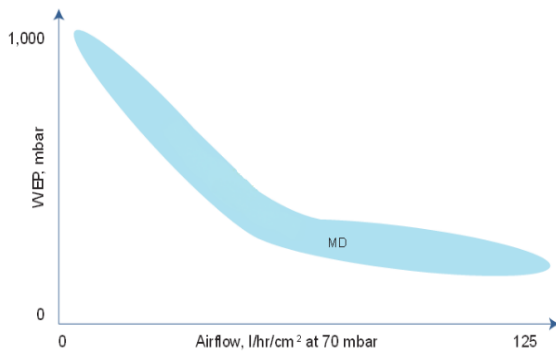


reflectivity:

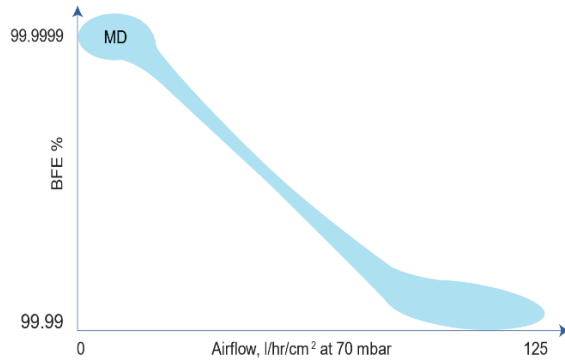
property of reflecting light or radiation

Porex® Virtek Medical PTFE Data

Water Entry Pressure



Bacterial Filtration Efficiency



Applications

