Donaldson
FILTRATION SOLUTIONS

TETRATEX® ePTFE MEMBRANE FOR SYRINGE FILTERS

SPECIFICATIONS

Material:

Tetratex ePTFE Membrane

Pore size:

0.1, 0.2, 0.45, or 1micron

Substrate:

Polyester, Polypropylene

Characteristics:

- Hydrophobic
- Hydrophilic
- Oleophobic
- Low protein binding
- Low extractables
- USP Class VI

FEATURES AND BENEFITS

Particle Retention

Removal of microorganisms, aerosols and small particles.

Increased Flow Rates & Throughput

Tetratex ePTFE membranes and laminates offer consistent high performance and purity, high flow rate while maintaining a constant pore size.

Reduced Shedding and Minimal Extractables

Tetratex membranes and laminates are produced with non-shedding materials that are compliant with stringent extractable limits.

Bacterial Retentive Membrane

A range of Tetratex bacterial retentive membrane media is available.

USP Class VI Compliant

We offer a range of membranes and laminates that are USP Class VI compliant. Our range meets both toxicity requirements and residual limits, ensuring USP compliance.

Steam Sterilization

Tetratex ePTFE membrane media are suitable for routine sterilization by the customer with steam or ethylene oxide.

Chemically Resistant

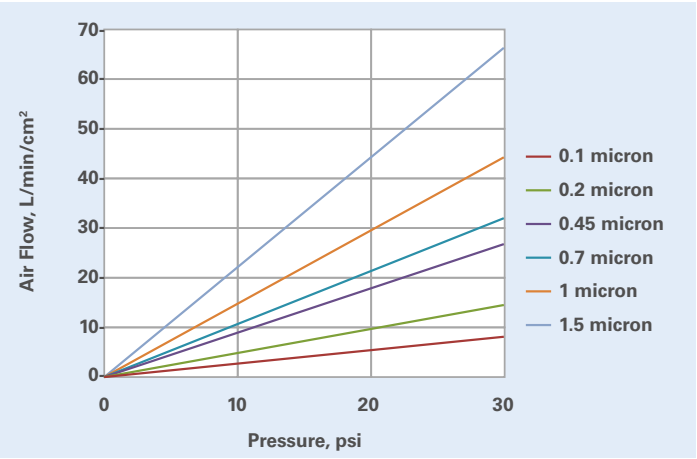
Tetratex ePTFE Membrane can be used in variety of applications that involve challenging chemicals and provide excellent resistance to them. Depending on the application, appropriate backing materials can be used in ePTFE laminates.

Inherently Hydrophobic

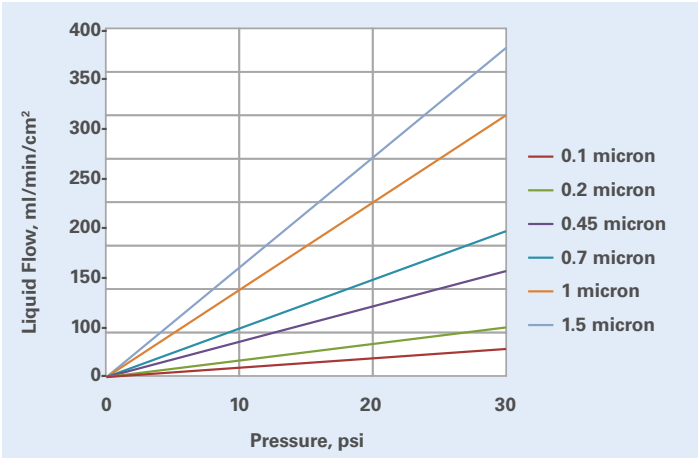
Tetratex ePTFE membrane media is made from pure PTFE without any residuals or fillers. ePTFE is inherently hydrophobic and has excellent water repellency.

- USP Class VI Compliant
- TOC / Conductivity
- Retentive against Endotoxins
- Non-volatile Extractable (NVE)
- Oxidizable Substrates
- Bacterial X / Viral
- Sterilizable

Membrane-Air Flow



IPA Flow Rate



TETRATEX ePTFE MEMBRANE MEDIA CHARACTERISTICS

Pore Size (µm)	Average IPA Bubble Point (psi) (47mm Ø sample)	Average Gurley Air Flow (sec) (1.0 sq. inch@4.88" water)	Average IPA Liquid Flow (sec (42mm Ø sample 100ml@10 psi)	Average Thickness (mil)	Product Code
ePTFE Membrane with Typar 3161L Polypropylene Nonwoven					
0.1	31	32	144	10	6501
0.2	23	21	40	10	6502
0.45	14.5	10	90	10	6503
1.0	6	5.5	17	10	6506
1.5	4	1.6 cfm*	8	10	6508
3.0	1.2 Reference only	10 cfm*	N/A	10	6506
5.0	N/A	17 cfm*	N/A	10	6507
ePTFE Membrane with Typar 3151C Polypropylene Nonwoven					
0.1	29	33	135	10	6521
0.2	21	17	54	10	6522
0.45	12	9	26	10	6523
1.0	6.5	5	14	10	6526
1.5	4	1.6 cfm*	6	10	6528
ePTFE Membrane with Reemay 2275 Polyester Nonwoven					
0.1	32	33	108	5	6531
0.2	24	19	77	5	6532
0.45	12	7	40	5	6533
1.0	7	5	18	5	6536
1.5	4	1.6 cfm*	8	5	6538

Significantly improve your syringe filter performance with Donaldson Tetratex ePTFE Membrane Media.
Discover our range on www.donaldson.com.

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