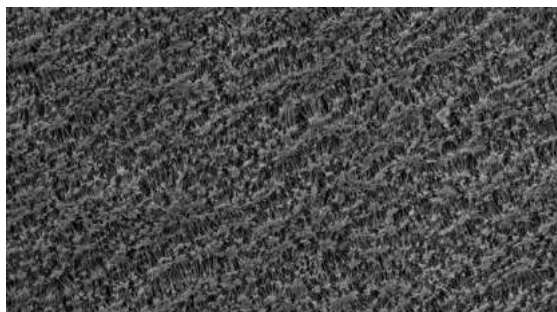




## 3.1.5 - Polytetrafluoroethylene (PTFE) Membrane



### Description and Use

PTFE (fine powder resin) is expanded into a 3-dimensional web-like structure called PTFE which creates billions of microscopic pores. This structure utilizes the inherent hydrophobic (water-resistant) and non-stick nature of PTFE to allow removal of particulate captured on the membrane surface. This allows air to pass

easily through the membrane while collecting particulate as small as 0.1 micron on its surface. PTFE membranes and laminates provide device manufacturers with a consistent, temperature and chemical compatible barrier to microbes and particulate matter. The optimal combination of air flow and water entry pressure adds value to most device designs.

### Features and Benefits

- Naturally hydrophobic
- Compatible with strong acids and aggressive solutions
- Improved durability and handling

### Typical Applications

- Filtration of strong acids and aggressive solutions
- Venting applications
- Phase separations
- Aerosol samplings

## Ordering information

Dimensions Packaging	13 mm 100/pk	25 mm 100/pk	47 mm 100/pk
Pore sizes 0.22 $\mu\text{m}$	1215485	1215486	1215487
0.45 $\mu\text{m}$	1215491	1215492	1215493
1.0 $\mu\text{m}$	1215502	1215503	1215504 3013362*

Dimensions Packaging	90 mm 25/pk	142 mm 25/pk	293 mm 25/pk	200x200 mm 5/pk	305x305 mm 50/pk
Pore sizes 0.22 $\mu\text{m}$	1215488	1215489	1215490	3026028	1267681
0.45 $\mu\text{m}$	1215494	1215495	1215496	1237423	3034300
1.0 $\mu\text{m}$	1215505	1215506	1215507	1214443	1235299

\*25/pk