



SS FILTERS PVT LTD

The Trust For Process Filtration

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AN ISO 9001: 2015 COMPANY

Specification Sheet

PTFE MEMBRANE DISC FILTER PAPER



SS Filters PTFE membranes are chemically stable and inert. They are suitable for applications involving aggressive organic solvents, strong acids and alkalies. PTFE membranes are particularly suitable for preparing samples for HPLC analysis. The hydrophobic nature of the membrane also has applications for air and gas sterilization. The membrane is laminated on to a non woven polypropylene support web for improved strength and handling and can be used at temperatures upto 120°C.

PTFE is the membrane of choice for use with aggressive solvents, liquids and gases that can attack other membranes.

FEATURES & BENEFITS

- Absolute filtration
- Wide chemical compatibility
- Non fiber releasing
- Well defined maximum pore size
- Heat & chemical resistant
- Extremely low extractable
- Naturally hydrophobic
- Must be prewetted with ethanol or methanol for products containing water.

PRODUCT SPECIFICATIONS

Media	Expanded PTFE membrane with PP support layer
Colour	White
Max. oper. temperature	120°C continuous
Max. oper. Pressure	3 Kg/ cm ²
Sterilisation	Autoclavable at 121°C or with ethylene oxide
Bubble point	14.5 psi with IPA for 0.2 microns 10 psi with IPA for 0.45 microns

APPLICATIONS

One of the major applications for PTFE membrane is the clarification of corrosive solvents and aggressive fluids. Air & gas sterilization make use of the hydrophobic characteristics of PTFE membrane and their ability to stop aqueous aerosols. Usual pore sizes are 0.2 & 0.45 microns. Applications include:

- HPCL solvents & sample filtration
- Sterile venting of vacuum manifolds, fermenting vessels
- Sterile filtrate tanks & containers