

DOMINIQUE DUTSCHER SAS

Whatman™ PFTE Membrane Filters – TE Range

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Overview

Whatman PTFE membrane filters from Cytiva's business are chemically stable and inert, making them suitable for use with aggressive organic solvents, strong acids, and alkalis.

- The TE range features polypropylene support material for improved strength and handling
- Temperature resistant up to 120°C
- Can withstand aggressive solvents, liquids, and gases that damage other membranes

Cytiva's Whatman PTFE membrane filters come in a variety of pore sizes and diameters. Browse the PTFE membrane range for custom and WTP filter options.

High chemical resistance and mechanical strength

One of the major applications for the PTFE membrane is the clarification of corrosives, solvents, and aggressive fluids. This includes the important requirement in HPLC analysis for sample filtration where any solid particles can cause permanent damage to the column. The 0.5 µm pore size is normally used.

Air and gas sterilization* make use of the hydrophobic characteristics of PTFE membrane filters and their ability to stop aqueous aerosols. Pore sizes of 0.2 µm and 0.5 µm are typically used. Sterile* venting of vacuum manifolds, fermentation vessels, and filtrate tanks and containers utilize PTFE 0.2 µm membranes.

Looking for a filter paper, membrane filter, or syringe filter? Let Cytiva help you find the optimal filter for your needs to ensure reliable analysis.

*Refers to sterilization by filtration for small sample use which is an industry term for filters of pore size 0.2 um or smaller as referenced in guidance such as EPA Guidance for Industry Sterile Drug Products Produced by Aseptic Processing — Current Good Manufacturing Practice Section IX, Part B (September 2004).

Product specifications

Whatman™ PFTE membrane filter, TE range (TE 38), 5 µm pore size, 47 mm circle (50/Pk)

Catalog code	10411111
Air flow rate	3.5 s/100 ml - Delta p equals 3 mbar
Diameter	47 mm
Liquid flow rate	2.2 s/100 ml/12.5 cm² (Delta p equals 0.9 bar)
Filter media	Polytetrafluoroethylene (PTFE)
Membrane type	TE 38
Pack size	50/pack
Pore size	5 µm
Sterility (statement for yes*)	Non-sterile
Hydrophobic	Yes
Max. operating temperature	100°C

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