



GORE® Membrane Filter Socks

Polytetrafluoroethylene Felt
830 g/m² (24.5 oz/yd²)

DESCRIPTION

A 260 °C (500 °F) maximum service temperature, expanded polytetrafluoroethylene felt filter bag for use in back washable liquid filter systems with chemically aggressive operating conditions.

FEATURES & BENEFITS

- Patented GORE™ High Durability Membrane technology provides an excellent combination of filtration efficiency, liquid flow, and durability.
- Chemically inert providing the highest all-around chemical resistance and maximum bag life.
- Constructed using a woven ePTFE scrim that provides excellent dimensional stability, extended flex life, and resistance to mechanical damage over the life of the filter.

APPLICATIONS

- **Chloralkali Processing:** Brine filtration for removal of Ca, Mg, Fe and Hg precipitates in the primary brine treatment area prior to electrolysis.
- **Sodium Chlorate:** Removal of iron compounds from chlorate solutions prior to crystallization.
- **Sodium Hypochlorite:** Filtration of high-strength bleach solutions for removal of fines that cause bleach decomposition.

LAMINATE TECHNICAL DATA

Weight	830 g/m ² (24.5 oz/yd ²)
Fiber Content	Staple: GORE® Expanded Polytetrafluoroethylene Scrim: Woven Expanded Polytetrafluoroethylene
Felt Construction	Supported Needlefelt
Membrane Material	Expanded Polytetrafluoroethylene
Membrane Efficiency	>99 % 1.0 micron (per ASTM F795-88)
Membrane DI Water Permeability	>19 m ³ /h/m ² @ 69 kPa (0.6 bar)
Continuous Operating Temperature	260 °C (500 °F)
Maximum Surge Temperature	274 °C (525 °F)
Acid Resistance	Excellent
Alkali Resistance	Excellent
Breaking Strength	
• Machine Direction	668 N/5 cm (150 lb/2 in) wide sample
• Cross-Machine Direction	890 N/5 cm (200 lb/2 in) wide sample
Mullen Burst	3860 kPa (750 psi)
Thickness	1.05 mm (0.042 in)
Thermal Stability	< 2 % shrinkage at 260 °C (500 °F) after 2 hours (unrestrained)
Durability	Excellent

Note: All data expressed as typical values. This technical data is subject to change. Please contact W. L. Gore & Associates, Inc., directly to confirm current information.

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