



Tubular Back-Pulse Filters

HIGH DURABILITY LIQUID 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 RASTEX® 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	> 19m 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:	3447 kPa (750 psi)
Thickness:	0.89 mm (0.035 in)
Thermal Stability:	< 2% shrinkage at 260°C (500°F) after 2 hours (unrestrained)
Durability:	Excellent

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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