



GORE® Filtration Products

HIGH DURABILITY FILTER BAG

ePTFE Membrane
and ePTFE Felt

The Ultimate Protection in Extreme Environments

GORE™ High Durability Filter Bags with expanded polytetrafluoroethylene (ePTFE) membranes and backers offer the best protection available in extreme environments. Its all ePTFE membrane and backer resists chemical attack, high humidity, and temperature extremes better than any other membrane or nonmembrane fabric filter.

They are designed to easily handle extreme conditions from high acid gas concentrations (HCl, H₂SO₄, and HF) to high humidity and temperatures reaching 260 °C.

Enhanced performance of the all ePTFE laminate, along with improvements in GORE™ membrane, make these filters last longer in highly aggressive chemical processes. Product collection applications traditionally served by PTFE felts, such as municipal waste incinerators, also benefit from better process control, higher yields and better emissions control than felt materials.

ENHANCED SCRIM INCREASES RELIABILITY

The woven ePTFE scrim that anchors the ePTFE fibers has an enhanced design that delivers high breaking strength and flexibility. The scrim braces the filter in the face of repeated cleaning pulses and provides greater dimensional stability that lessens fatigue and wear.

EXCELLENT PROTECTION AND EFFICIENCY

GORE™ High Durability Filter Bags provide particulate capture to the submicron level. Their excellent cleanability also ensures thorough cake release resulting in high filtration efficiency and low pressure drops. With their all ePTFE membranes and backers they deliver greater performance than other membrane or nonmembrane filters.

GORE™ High Durability Filter Bags last longer and reduce downtime while still improving product collection in the most demanding application conditions.



KEY FEATURES

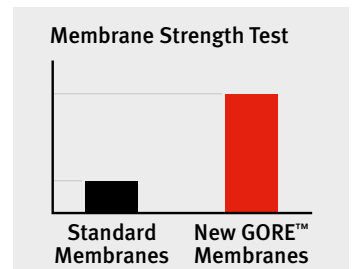
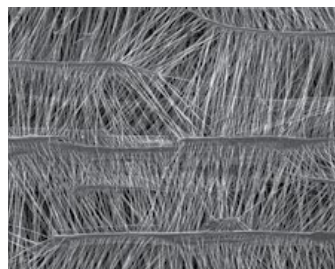
- System Analysis
- Technical Support
- Lab Services
- Installation Expertise
- High Strength
- Membrane
- All ePTFE Laminate
- High strength ePTFE scrim

KEY BENEFITS

- Optimized Performance
- Reduced Support Cost
- Enhanced Diagnostics
- Smoother Start-Ups
- Reduced Risks
- Longer Life

NEXT GENERATION GORE™ MEMBRANE

The unique structure of the new GORE™ membrane allows it to outlast standard membranes.





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LAMINATE TECHNICAL DATA

Weight	830 g/m² (24.5 oz/yd²)
Fiber Content	Woven – Expanded Polytetrafluoroethylene
Scrim	Woven – Expanded Polytetrafluoroethylene
Fabric Construction	Supported Needlefelt
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/5.80 cm (150 lb/2 in) wide sample
• Cross-Machine Direction	890 N/5.08 cm (200 lb/2 in) wide sample
Mullen Burst	3447 kPa (500 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 specification is subject to change.
Please contact W. L. Gore and Associates directly to confirm current information.

FOR INDUSTRIAL USE ONLY. Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging options.

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