GORE® Filtration Products
Data Sheet

GORE® HIGH DURABILITY FILTER BAG

PTFE Felt 830 g/m² (24.5 oz/yd²)

Description

A 260 °C (500 °F) maximum service temperature, PTFE felt filter bag for use in pulse jet style dust collectors with chemically aggressive operating conditions.

Features & Benefits

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

Applications

Chemicals Processing: Chemical process reactors that incorporate micronizing, grinding, and product collection in extreme environments that are chemically and thermally aggressive.

Minerals Processing: Brick kilns.

Metals Industry: Lead, copper, and other base metal production.

Power Generation and Incineration: Medical and municipal waste incineration, as well as coal-fired boilers.

Laminate Technical Data

Weight	830 g/m² (24.5 oz/yd²)
Fiber Content	Staple – PTFE Scrim – Woven PTFE
Felt 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	Warp: 890 N/5 cm (200 lb/2 in) wide sample Fill: 824 N/5 cm (185 lb/2 in) wide sample
Mullen Burst	4136 kPa (600 psi)
Thermal Stability	< 2 % shrinkage at 260 °C (500 °F) after 2 hours unrestrained)
Durability	Very good

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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