GORE® Filtration Products

HIGH DURABILITY FILTER CARTRIDGES

Polyester Felt
407 g/m² (12 oz/yd²)

Description

A 135 °C (275 °F) maximum service temperature, stayed-polyester felt filter cartridge for use in pulse jet style dust collectors where high differential pressure and high cleaning pressures are required due to aggressive dust loading.

Features & Benefits

- Patented GORE™ High Durability membrane technology provides an excellent combination of filtration efficiency, airflow, and durability.
- Polyester fibers provide good all-around chemical resistance, especially in applications operated below 79 °C (175 °F).
- Available in top, bottom, and horizontal loading configurations.
- Withstands pressure drop up to 6.2 kPa (25 inches water gauge).

Applications

- **Chemicals Processing:** Dryers, bin vents, and nuisance dust collectors in the pigment, plastic, and catalyst industries.
- **Minerals Processing:** Finish mill, bulk loading, ship off-loaders, and bin vent dust collectors.
- **Metals Processing:** Material handling for coal and limestone. Process venting dust collectors in the lead, lead oxide, and iron and steel industries. Fume and bulk handling systems in coke production, and sand reclamation systems in foundries.

Laminate Technical Data

Weight	407 g/m² (12 oz/yd²)
Fiber Content	Polyethylene Terephthalate
Felt Construction	Supported Needlefelt
Continuous Operating Temperature	135 °C (275 °F)
Maximum Surge Temperature	149 °C (300 °F)
Acid Resistance	Fair
Alkali Resistance	Fair
Breaking Strength • Machine Direction • Cross-Machine Direction:	 601 N/5 cm (135 lb/2 in) wide sample 890 N/5 cm (200 lb/2 in) wide sample
Mullen Burst	2068 kPa (300 psi)
Thickness	1.40 mm (0.055 in)

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.

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

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