

PTFE Felt & PTFE-Treated Polyester Filter Bags

Two distinct media routes: PTFE felt for chemically demanding service, and polyester with a specified PTFE surface construction. A PTFE treatment does not change polyester into an all-PTFE high-temperature bag.

MEDIA & OPERATING REFERENCES

TECHNICAL PROPERTY	PTFE FELT ROUTE	PTFE-TREATED POLYESTER ROUTE
Media construction	PTFE needle felt; confirm fibre / scrim construction	Polyester felt; specify coating, impregnation or membrane lamination
Nominal areal weight	700 g/m ² / 20.65 oz/yd ²	500 g/m ² / 14.75 oz/yd ²
Nominal thickness	1.0 mm / 0.039 in	1.7 mm / 0.067 in
Air permeability	Grade-specific; confirm value and test pressure	Grade-specific; confirm value and test pressure
Continuous reference	260 °C / 500 °F	130 °C / 266 °F
Short-term peak reference	300 °C / 572 °F; finished-bag approval and duration required	150 °C / 302 °F; allowable duration / frequency require confirmation
Chemical suitability	Review reagents, temperature, finish and complete bag construction	Polyester substrate limitations remain; assess chemistry and moisture
Emissions performance	Application- and construction-specific	Application- and construction-specific; no fixed concentration is promised

PTFE FELT SELECTION

Review corrosive-gas composition, temperature, moisture, cleaning and bag construction. Catalogue temperature references do not establish compatibility with every reagent or guarantee the finished bag's service life.

PTFE SURFACE CONSTRUCTION

Specify the required surface technology. Coating / impregnation and an expanded-PTFE membrane are different constructions. Confirm substrate, membrane if applicable, seams and fit against the intended emission target.

SELECTION NOTE: Send the emission target and measurement basis, dust concentration / particle size, gas flow, air-to-cloth ratio and cleaning method for review. Media alone does not establish the collector's outlet emissions.

Order acceptance: confirm media / scrim, finish, weight and thickness tolerances, numerical air permeability and test pressure, tensile / elongation and heat-shrinkage requirements, and peak-temperature duration / frequency. Inspection scope and reports must be agreed with the quotation.

Source: Guanlin product catalogue, PDF p. 9 (high-temperature media) / p. 10 (polyester variants). Reference values are not batch test results.

REQUEST A FILTER BAG QUOTE

Send bag diameter and length, top / bottom details, tubesheet hole and plate thickness, cage dimensions, dust and gas conditions, cleaning method and quantity. Photos, a sample or an old part number are useful when no drawing is available.

Submit dimensions / RFQ

admin@filterbagworks.com

Values identified as catalogue references support initial selection only. Final suitability, dimensions and acceptance criteria are confirmed for the selected construction and operating conditions in the quotation / approved specification.