

FMS Composite High-Temperature Filter Bag

Composite filtration felt containing glass fibre and high-temperature synthetic fibres. FMS denotes a family of constructions; fibre blend and scrim determine the operating envelope.

MEDIA & OPERATING REFERENCES

TECHNICAL PROPERTY	REFERENCE / REQUIREMENT	CONDITIONS / NOTES
Media family	High-temperature composite felt	Confirm fibre percentages, supporting scrim and finish
Areal weight	Specified for selected construction	Nominal weight and tolerances agreed with quotation
Thickness reference	2.5 mm	0.098 in; catalogue reference
Air permeability	Confirm for selected grade	Numerical range, test pressure and method required
Continuous operating limit	Confirm for selected blend	No universal 200-300 °C continuous rating is assigned
Short-term peak limit	Confirm for selected blend	Confirm allowable duration and frequency separately
Filtration velocity reference	≤ 1.0 m/min / ≤ 3.28 ft/min	Catalogue design reference; review dust, gas flow and cleaning
Surface treatment	Specified for selected construction	Confirm heat setting and any PTFE protective finish

BLEND-SPECIFIC SELECTION

Supply normal and peak gas temperature, moisture, acid / alkali species and oxidizing components. A material family name or catalogue temperature range does not define the limit of the selected blend.

HANDLING & FILTRATION

Review cage fit and cleaning method. Avoid sharp folds and abrasion during installation. Filtration velocity is a collector design input and does not substitute for a measured media air-permeability value.

SELECTION NOTE: Confirm one construction-specific media specification before ordering: blend, scrim, weight, finish, numerical permeability, mechanical properties and temperature limits. No 300 °C continuous-service promise is made for an unspecified FMS blend.

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.