

Standard Polyester Needle Felt Filter Bag

Polyester needle felt for dry industrial dust collection. Review the media finish, bag construction and operating conditions before replacement.

MEDIA & OPERATING REFERENCES

TECHNICAL PROPERTY	REFERENCE / REQUIREMENT	CONDITIONS / NOTES
Media family	Polyester (PET) needle felt	Fibre and scrim construction confirmed per order
Nominal areal weight	500 g/m ²	14.75 oz/yd ² ; catalogue reference
Nominal media thickness	1.8 mm	0.071 in; catalogue reference
Air permeability	Confirm for selected grade	Numerical range, test pressure and method required
Continuous temperature	130 °C	266 °F; catalogue reference
Short-term peak temperature	150 °C / 302 °F	Duration and frequency require written confirmation
Reference finish	Heat stabilized and singed	Other finishes require separate confirmation

SERVICE LIMITS

Review moisture, acid / alkali exposure and hydrolysis risk. Standard polyester is intended for dry service; a treatment name alone does not establish suitability for condensation or aggressive chemistry.

CONSTRUCTION & APPLICATION

Confirm cuff, bottom, seam and cage fit. For wood, flour or other dust with an electrostatic requirement, specify and verify a suitable conductive construction separately.

SELECTION NOTE: Select water / oil repellency, a conductive construction or a PTFE surface option only after reviewing the particular duty. These finishes address different requirements.

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.