

Antistatic Polyester Needle Felt Filter Bag

Conductive polyester felt constructions for projects requiring static dissipation. Select the conductive pattern and verify the completed bag and collector grounding arrangement.

MEDIA & OPERATING REFERENCES

TECHNICAL PROPERTY	REFERENCE / REQUIREMENT	CONDITIONS / NOTES
Media family	Polyester felt with conductive fibres	Stripe, square-grid or blended construction
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
Volume resistivity: stripe	< 10 ⁹ Ω·cm	Catalogue reference; confirm test conditions
Volume resistivity: square grid	< 10 ⁸ Ω·cm	Catalogue reference; confirm test conditions
Volume resistivity: blended	Confirm for selected blend	Specify the required limit and supporting test report
Reference finish	Heat stabilized and singed	Repellent treatment subject to application review

ELECTRICAL VERIFICATION

Confirm the test method, conditioning, finished-bag continuity and connection to the grounded collector. A media resistivity value does not establish explosion protection or certification of the collector.

POLYESTER SERVICE LIMITS

Review temperature, moisture, chemistry and dust properties. Water / oil repellency must not be assumed to provide a universal improvement in acid, alkali or hydrolysis resistance.

SELECTION NOTE: Send the required resistivity limit and grounding details with the RFQ. Conductive blend performance and grounding features must be confirmed for the actual supplied construction.

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.