

PPS (Polyphenylene Sulfide) Filter Bag

PPS needle felt for review in acidic or moisture-bearing process gas. Selection requires a combined review of temperature, oxidizing species, chemistry and the required bag construction.

MEDIA & OPERATING REFERENCES

TECHNICAL PROPERTY	REFERENCE / REQUIREMENT	CONDITIONS / NOTES
Media family	PPS needle felt	Fibre and supporting scrim confirmed per order
Nominal areal weight	500 g/m ²	14.75 oz/yd ² ; catalogue reference
Nominal media thickness	1.6 mm	0.063 in; catalogue reference
Air permeability	Confirm for selected grade	Numerical range, test pressure and method required
Continuous temperature	160 °C	320 °F; catalogue reference
Short-term peak temperature	190 °C / 374 °F	Not a continuous rating; confirm allowable exposure
Reference finish	Heat stabilized and singed	PTFE treatment, if required, specified separately

OXIDATION & DEW POINT

PPS is sensitive to oxidative attack at elevated temperature. Provide O₂, NO_x / SO_x, moisture and acid-dew-point information. Review start-up, shut-down and temperature excursions as well as normal operation.

CONSTRUCTION & APPLICATION

Confirm cuff, bottom, seam and cage dimensions, cleaning method and dust properties. Boiler, kiln and chemical-process applications require gas-condition review rather than selection by industry name alone.

SELECTION NOTE: The catalogue reference is 160 °C continuous and 190 °C short-term peak. Do not treat 160-190 °C as a continuous operating range or raise this grade's rating from generic PPS data.

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.