

## Filter media selection\*

Fiber type	Temperature limits (dry heat only)	Acid resistance	Alkali resistance	Hydrolysis resistance	Oxidation resistance
Cotton	180°F/85°C	Poor	Good	Good	Good
PVC	150°F/65°C	Excellent	Excellent	Excellent	Excellent
Polypropylene	190°F/90°C	Excellent	Excellent	Excellent	Poor
Nylon	230°F/110°C	Poor	Excellent	Good	Good
Homopolymer acrylic	257°F/125°C	Good	Good	Good	Fair
Polyester	300°F/150°C	Good	Poor	Poor	Good
Polyphenylene sulfide (PPS)	375°F/190°C	Excellent	Excellent	Excellent	Fair
Aramid	400°F/205°C	Poor	Excellent	Poor	Fair
Polyimide	450°F/235°C	Fair	Fair	Good	Good
PTFE	500°F/260°C	Excellent	Excellent	Excellent	Excellent
Fiberglass	550°F/285°C	Good	Fair	Excellent	Excellent

\*Courtesy Filter Media Services, Cincinnati, OH. Find more information in the article "Specialty bag filter media for better performance in tough applications" by Clint Scoble, *Powder and Bulk Engineering*, October 2010, page 45.