

BHA® Filter Bag Fabric Characteristics Chart

CLARCOR Industrial Air can deliver most any type of filter bag for your baghouse, regardless of OEM design and system conditions. The charts below specify the most popular styles, fabrics and finishes, and the conditions they are most suited to handle.

Fabrics	Polypropylene	Acrylic	Polyester	PPS	Aramid	P84 ^{†††}	Fiberglass [†]	PTFE Felt ^{†††}
Max. Continuous Operating Temperature	170°F (77°C)	265°F (130°C)	275°F (135°C)	375°F (190°C)	400°F (204°C)	356–500°F (180–260°C)	500°F (260°C)	500°F (260°C)
Abrasion	Excellent	Good	Excellent	Good	Excellent	Fair	Fair	Good
Energy Absorption	Good	Good	Excellent	Good	Good	Good [†]	Fair [†]	Good
Filtration Properties	Good	Good	Excellent	Excellent	Excellent	Excellent	Fair	Fair
Moist Heat	Excellent	Excellent	Poor	Good	Good	Good	Excellent	Excellent
Alkalines	Excellent	Fair	Fair	Excellent	Good	Fair	Fair	Excellent
Mineral Acids	Excellent	Good	Fair	Excellent	Fair	Good	Poor ^{††}	Excellent
Oxygen (15%+)	Excellent	Excellent	Excellent	Poor	Excellent	Excellent	Excellent	Excellent

[†]Sensitive bag-to-cage fit. ^{††}Fair with chemical- or acid-resistant finishes. ^{†††}Must oversize bag for shrinkage for temperatures above 450°F (232°C).

	Finishes	Finish Purpose	Available For
Non-fiberglass	BHA Preveil ePTFE Membrane	For capture of fine particulate, improved filtration efficiency, cake release and airflow capacity	Polyester, Aramid, Acrylic, Polypropylene (felt and woven), P84, PPS, Teflon/PTFE
	Single	Recommended for improved cake release	Polyester, Polypropylene, Acrylic, Aramid, PPS, P84 (felts)
	Glaze/Eggshell	Provides short-term improvements for cake release (may impede airflow)	Polyester, Polypropylene (felts)
	Silicone	Aids initial dust cake development and provides limited water repellency	Polyester (felt and woven)
	Flame Retardant	Retards combustibility (not flame-proof)	Polyester, Polypropylene (felt and woven)
	Acrylic Coatings (Latex Base)	Improved filtration efficiency and cake release (may impede airflow in certain applications)	Polyester and Acrylic felts
	PTFE Penetrating Finishes	Improved water and oil repellency; limited cake release	Polyester, Aramid (felt), PPS

	Finishes	Finish Purpose	Applications
Fiberglass	BHA Preveil ePTFE Membrane	For capture of fine particulate, improved filtration efficiency, cake release and airflow capacity	Cement/lime kilns, incinerators, coal-fired boilers, cupola, ferrosilica/alloy, furnace
	Silicone, Graphite, PTFE	Protects glass yarns from abrasion, adds lubricity	For non-acid conditions, primarily for cement and metal foundry applications
	Acid Resistant	Helps shield glass yarn from acid attack to extend life	Coal-fired boilers, carbon black, incinerators, cement, industrial and boiler applications
	PTFE	Provides enhanced fiber-to-fiber resistance to abrasion and limited chemical resistance	Industrial and utility base load boilers under mild pH conditions, cement and lime kilns
	Blue Max CRF-70*	Provides improved acid resistance and reduces fiber-to-fiber abrasion, resistant to alkaline attack, improved fiber encapsulation	Coal-fired boilers (high and low sulfur) for peak load utilities, fluidized bed boilers, carbon black, incinerators

The information above is provided as a general guideline. Varying sets of conditions may affect performance. Other specialty finishes may be available. *Trademarks are property of their respective owners.

For more information, please contact your **CLARCOR Industrial Air** representative.

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