

# Properties of Filtration Fabrics

Fabrics	Available In	Temp F° Max Continuous	Abrasion	Tinsel Strength	Supports Combustion	Moist Heat	Akaline Resistant	Chemical Acids	Oxygen (15%+)
Cotton	Woven	180°F (82°C)	Good	Good	Yes	Poor	Good	Poor	Fair
Nylon	Woven	200°F (93°C)	Excellent	Excellent	Yes	Good	Excellent	Poor	Fair
Wool	Woven/Felted	200°F (93°C)	Fair	Poor	No	Poor	Good	Good	Fair
Acrylic	Woven/Felted	260°F (126°C)	Good	Fair	Yes	Excellent	Fair	Good	Excellent
Polypropylene	Woven/Felted	200°F (93°C)	Excellent	Excellent	Yes	Excellent	Excellent	Excellent	Excellent
Polyester	Woven/Felted Knit/Spunbonded	275°F (135°C)	Excellent	Excellent	Yes	Poor	Fair	Fair	Excellent
PPS	Woven/Felted	375°F (190°C)	Excellent	Good	No	Good	Excellent	Excellent	Poor
Aramid	Woven/Felted	400°F (204°C)	Good	Excellent	No	Good	Good	Poor	Excellent
Ryton	Woven/Felted	375°F (190°C)	Good	Good	Yes	Excellent	Excellent	Excellent	Fair
P84†††***	Felted	180°F (82°C)	Good	Good	Yes	Good	Fair	Good	Excellent
Fiberglass†	Woven/Felted	180°F (82°C)	Fair	Excellent	No	Excellent	Fair	Poor	Excellent
Teflon	Woven/Felted	180°F (82°C)	Good	Fair	No	Excellent	Excellent	Excellent	Excellent

† sensitive bag-to-cage fit †† Fair with chemical-or acid-resistant finishes ††† Must oversize bag for shrinkage for temperatures above 460°F(232°C)

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	Finishes	Finish Purpose	Available For
Non-Fiberglass	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
	Singe	Recommended for improved cake release	Polyester, Propylene, Acrylic, Aramid, PPS P84** (felts)
	Glaze/Eggshell	Provides short-term improvements for cake release (may impede flow)	Polyester, Propylene (felts)
	Silicone	Acids 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	ePTFE Membrane	For capture of fine particulate, improved filtration efficiency, cake release and airflow capacity	Cement/Lime kilns, incinerators, coal-fired boilers, cupola, ferrosillica/alloy, furnace
	Silicon, Graphite, ePTFE	Protects glass yarns from abrasion, adds lubricity	For non-acid conditions, primarily for cement and metal foundry applications
	Acid Resistant	Helps shield glass yarns from acid attack to extend life	Coal-fired boilers, carbon black, cement, incinerators, industrial and boiler applications
	10% Teflon	Provides enhanced fiber-to-fiber resistance to abrasion and limited chemical resistance	Industrial and utility base load boilers under mild pH conditions, cement, lime kilns

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