

# Baghouse Filter Guide

Material ⇨ Fiber	Cotton	Polypropylene	Polyester (Dacron)	Homopolymer Acrylic	Aramid (Nomex)	Felted Fiberglass (Huyglas)	Polymid (P84)	Glass * (Fiberglass)	Polytetrafluoro ethylene PTFE Membrane (Teflon)	Polyphenylene Sulfide (Ryton) PPS	Metal (Bekinox)	Ceramic (Cerafil)
<b>Characteristics</b> ↓												
Upper temperature- continuous dry heat (degrees F/C)	180 / 82	200 / 94	270 / 132	284 / 140	400 / 204	500 / 260	500 / 260	500 / 260	500 / 260	375 / 190	1020 / 550	1650 / 900
Upper temperature- saturated moist heat (degrees F/C)	180 / 82	200 / 94	200 / 94	260 / 125	350 / 177	500 / 260	500 / 260	500 / 260	500 / 260	375 / 190	1020 / 600	1650 / 900
Maximum temperature- surge dry heat	200 / 94	225 / 107	300 / 150	284 / 140	450 / 232	550 F	Up to 500 F	550 / 290	550 / 290	450 / 232	1110 / 550	1650 / 900
Supports combustion (note 1)	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No
Biological resistance (bacteria, mildew)	No, if not treated	Excellent	No Effect	Very Good	No Effect	No Effect	Very Good	No Effect	No Effect	No Effect	No Effect	No Effect
Resistance to alkalis	Good	Excellent	Fair	Fair	Good	Excellent	Poor	Fair	Excellent	Excellent	Excellent	Good
Resistance to mineral acids	Poor	Excellent	Fair	Very Good	Fair	Good	Excellent	Very Good*	Excellent	Excellent	Good	Very Good
Resistance to organic acids	Poor	Excellent	Fair	Excellent	Fair	Good	Excellent	Very Good*	Excellent	Excellent	Very Good	Very Good Except HF
Resistance to oxidizing agents	Fair	Good	Good	Good	Poor	Excellent	Good	Excellent**	Excellent	Not Recommend ed	Excellent	Good
Resistance to organic solvents	Very Good	Excellent	Good	Very Good	Very Good	Good	Excellent	Very Good*	Excellent	Excellent	Excellent	Excellent
Tensile Strength	Good	Excellent	Excellent		Very Good			Excellent	Average	Very Good		
Abrasion Resistance	Good	Excellent	Excellent		Excellent		Excellent	Fair	Fair	Excellent		
Available In	Woven	Woven Felted	Woven, Felted, Spun- bonded, Knit		Woven Felted	Felted	Felted	Woven Felted	Woven Felted	Woven Felted		
Relative cost of fabrics 6=highest	1	2	2	3	4	5	5	3	6	5	6	6

Note 1 - Avoid "Yes" fabrics in processes where sparks or other sources of ignition might be in the gas stream

Pulse Jet System – Felted, Never Woven

\* With special treatment, i.e., Teflon



## GRIFFIN FILTERS L.L.C.

106 METROPOLITAN PARK DRIVE ♦ LIVERPOOL, NY 13088, USA

Tel: (315) 451-5300 ♦ Fax: (315) 451-2338

[www.griffinfilters.com](http://www.griffinfilters.com) ♦ email: [info@griffinfilters.com](mailto:info@griffinfilters.com)