



# U.S. Air Filtration, Inc.

## How To Choose the Correct Filter Media

### Dust Collector Filter Fabrics

#### Dust Collector Filter's Most Popular Materials

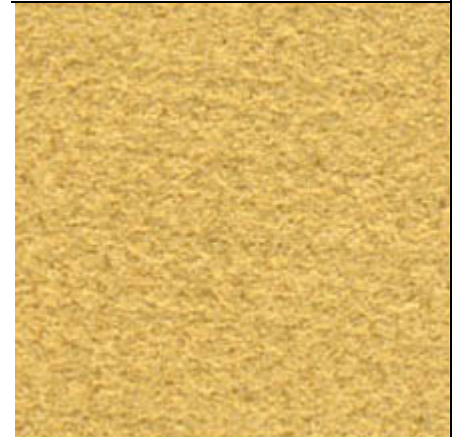
<p>Polyester Felt / Dacron® Recommended continuous operation temperature: 275°F Maximum (short time) operation temperature: 300°F Supports combustion: Yes Biological resistance (bacteria, mildew): No Effect Resistance to alkalis: Fair Resistance to mineral acids: Fair+ Resistance to organic acids: Fair Resistance to oxidizing agents: Good Resistance to organic solvents: Good Available weights: 10 oz. - 22 oz.</p>	
<p>Polypropylene Felt Recommended continuous operation temperature: 190°F Maximum (short time) operation temperature: 210°F Supports combustion: Yes Biological resistance (bacteria, mildew): Excellent Resistance to alkalis: Excellent Resistance to mineral acids: Excellent Resistance to organic acids: Excellent Resistance to oxidizing agents: Good    Resistance to organic solvents: Excellent Available weights: 12 oz. - 18 oz</p>	
<p>Combo Felt Recommended continuous operation temperature: 210°F Maximum (short time) operation temperature: 225°F Supports combustion: Yes Biological resistance (bacteria, mildew): Good Resistance to alkalis: Good Resistance to mineral acids: Good Resistance to organic acids: Good Resistance to oxidizing agents: Good Resistance to organic solvents: Good Available weights: 12 oz. - 18 oz.</p>	

## How To Choose the Correct Filter Media Cont'd

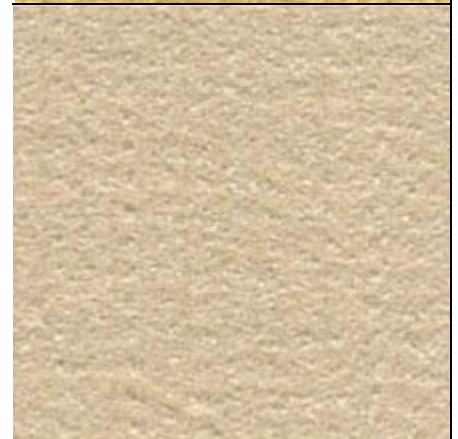
Dust Collector Filter High Temperature Materials  
Conex® / Nomex® Felt (Aramid)  
Recommended continuous operation temperature: 400°F  
Maximum (short time) operation temperature: 425°F  
Supports combustion: No  
Biological resistance (bacteria, mildew): No Effect  
Resistance to alkalis: Good  
Resistance to mineral acids: Fair  
Resistance to organic acids: Fair+  
Resistance to oxidizing agents: Poor  
Resistance to organic solvents: Good  
Available weights: 10 oz. - 22 oz.



P84® Felt Polyimide  
Recommended continuous operation temperature: 475°F  
Maximum (short time) operation temperature: 500°F  
Supports combustion: No  
Biological resistance (bacteria, mildew): No Effect  
Resistance to alkalis: Fair  
Resistance to mineral acids: Good+  
Resistance to organic acids: Good+  
Resistance to oxidizing agents: Good+  
Resistance to organic solvents: Excellent  
Available weights: 14 oz. - 18 oz.



Ryton® Felt / PPS  
Recommended continuous operation temperature: 375°F  
Maximum (short time) operation temperature: 400°F  
Supports combustion: No  
Biological resistance (bacteria, mildew): No Effect  
Resistance to alkalis: Excellent  
Resistance to mineral acids: Excellent  
Resistance to organic acids: Excellent  
Resistance to oxidizing agents: Fair  
Resistance to organic solvents: Excellent  
Available weights: 16 oz. - 18 oz.



## How To Choose the Correct Filter Media Cont'd

### Dust Collector Filter Specialty Materials

#### Homopolymer Acrylic Felt

Recommended continuous operation temperature: 250°F

Maximum (short time) operation temperature: 275°F

Supports combustion: Yes

Biological resistance (bacteria, mildew): Good+

Resistance to alkalis: Fair

Resistance to mineral acids: Good+

Resistance to organic acids: Excellent

Resistance to oxidizing agents: Good

Resistance to organic solvents: Good+

Available weights: 15 oz. - 18 oz.



#### Epitropic Felt Antistatic

Recommended continuous operation temperature: 275°F

Maximum (short time) operation temperature: 300°F

Supports combustion: Yes

Biological resistance (bacteria, mildew): No Effect

Resistance to alkalis: Fair

Resistance to mineral acids: Fair+

Resistance to organic acids: Fair

Resistance to oxidizing agents: Good

Resistance to organic solvents: Good

Available weights: 14 oz. - 16 oz.



## How To Choose the Correct Filter Media Cont'd

### Dust Collector Filter Woven Materials

Acrylic    Cotton Fiberglass  
Polyester    Polypropylene Ryton®    Nomex® / Conex®

### Additional Dust Collector Filter Bag Fabrics and Finishes

#### Filter Bag Fabrics

Aramid  
Bean Knit (PE)  
Copolymer Acrylic  
Dacron  
Duo Density P.E.  
Epotropic - PE with blended carbon filters  
Fiberglass  
Gortex®  
Gortex® Remedia® Catalytic Filter System  
High Temp PE (RK-5)  
100% Homopolymer Acrylic  
Huyglass®  
Nomex®  
P-84  
P-84/Homopolymer Acrylic  
P-84/Nomex  
P-84/PE  
P-84/Ryton  
P-84/Teflon  
PE/Oleophobic  
PE/PP Combo Felt  
Polyester  
Polypropylene  
Ryton  
Teflon

#### Filter Bag Finishes

Plain  
Acrylic surf coat  
Eggshell  
Fibertaxis  
Flame Retardant  
Glazed  
Gortex®  
Micro coat  
Mirror  
Oleophobic  
Portex  
Silicon  
Singed  
Tetratex  
10% Teflon B coating  
Teflon emulsion - bath  
201 T-snap band, bottom disc  
202 SS ground wire  
203 Wear Strip  
210 T-row edge, bottom disc  
Copper and stainless steel ground wires