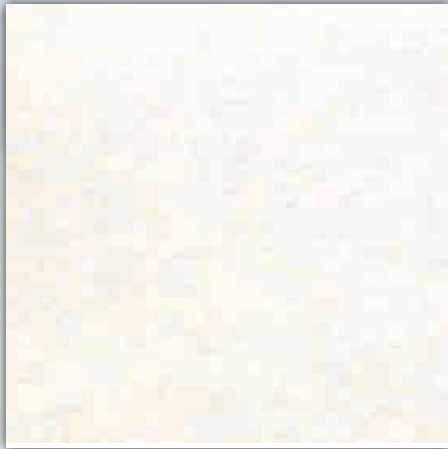
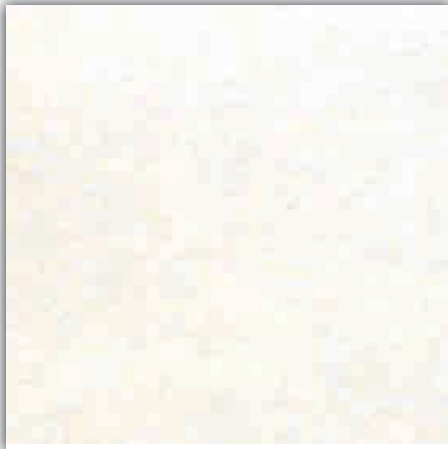


Low Temperature Materials



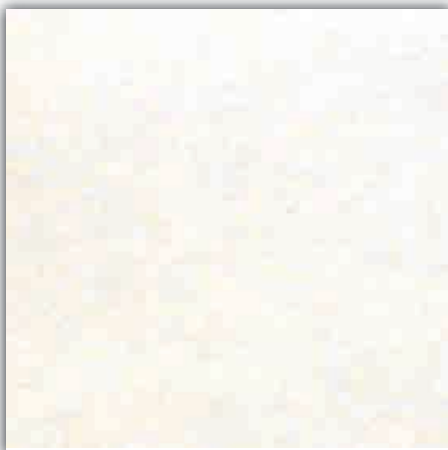
Polyester Felt/Dacron®

Recommended continuous operation temperature275°F
Maximum (short time) operation temperature.....300°F
Supports combustionYes
Biological resistance (bacteria, mildew) No Effect
Resistance to alkalies Fair
Resistance to mineral acids Fair +
Resistance to organic acid Fair
Resistance to oxidizing agents..... Good
Resistance to organic solvents Good
Available weights 10 oz. - 22 oz.



Polypropylene Felt

Recommended continuous operation temperature190°F
Maximum (short time) operation temperature.....210°F
Supports combustionYes
Biological resistance (bacteria, mildew) Excellent
Resistance to alkalies 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.



Combo™ Felt

Recommended continuous operation temperature210°F
Maximum (short time) operation temperature.....225°F
Supports combustionYes
Biological resistance (bacteria, mildew) Good
Resistance to alkalies 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.



Filtration Manufacturing, Inc.
47 J. Faris Drive
Andalusia, AL 36421
Phone: (800) 239-8413
Fax: (800) 239-9798

Low Temperature Material Specs

10 oz. Polyester Shakerfelt™

Style **PE10SU**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% Polyester
Construction	Needle Punched, Self-Supported
Weight	10 oz./sq yd. nom.
Thickness	0.050" - 0.070"
Finish	Singed
Mullen	250 PSI min.
Permeability	35-55 CFM @ 0.5" W.G.
Temperature	275°F Continuous to 300°F Surge

12 oz. Polyester Felt

Style **PE12SU**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% Polyester
Construction	Needle Punched, Self-Supported
Weight	12 oz./sq yd. nom.
Thickness	0.050" - 0.070"
Finish	Singed
Mullen	350 PSI min.
Permeability	30-50 CFM @ 0.5" W.G.
Temperature	275°F Continuous to 300°F Surge

16 oz. Polyester Felt

Style **PE16SU**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% Polyester
Construction	Needle Punched, Self-Supported
Weight	16 oz./sq yd. nom.
Thickness	0.075" Nom.
Finish	Singed
Mullen	400 PSI min.
Permeability	25-40 CFM @ 0.5" W.G.
Temperature	275°F Continuous to 300°F Surge

18 oz. Polyester Felt

Style **PE18SU**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% Polyester
Construction	Needle Punched, Self-Supported
Weight	18 oz./sq yd. nom.
Thickness	0.080" Nom.
Finish	Singed
Mullen	425 PSI min.
Permeability	25-35 CFM @ 0.5" W.G.
Temperature	275°F Continuous to 300°F Surge

16 oz. Combo™ Felt

Style **CB16GU**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	60/40 Polyester/Polypropylene
Construction	Needle Punched, Self-Supported
Weight	16 oz./sq yd. nom.
Thickness	0.075" - 0.095"
Finish	Glazed
Mullen	400 PSI min.
Permeability	30 - 50 CFM @ 0.5" W.G.
Temperature	210°F Continuous to 225°F Surge

16 oz. Polypropylene Felt

Style **PP16GU**
Primary Applications Dry Filtration, Liquid Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% Polypropylene
Construction	Needle Punched, Self-Supported
Weight	16 oz./sq yd. nom.
Thickness	0.080" Nom.
Finish	Glazed
Mullen	400 PSI min.
Permeability	20 - 40 CFM @ 0.5" W.G.
Temperature	190°F Continuous to 210°F Surge

All specifications subject to change in order to improve product performance.

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	Excellent
Resistance to mineral acids	Excellent
Resistance to organic acids.....	Excellent
Resistance to oxidizing agents.....	Fair
Resistance to organic solvents	Excellent
Available weights	14 oz. - 18 oz.



TORCON®/PROCON® Felt/PPS (fka Ryton®)

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.....	Good
Resistance to mineral acids	Fair
Resistance to organic acids.....	Fair+
Resistance to oxidizing agents.....	Poor
Resistance to organic solvents	Good+
Available weights	14 oz. - 18 oz.



P84® Felt/Polymide

Recommended continuous operation temperature	450°F
Maximum (short time) operation temperature.....	475°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.

High Temperature Material Specs

14 oz. CONEX®/NOMEX® (Aramid)

Style **CX14SS**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% Aramid
Construction	Needle Punched, Scrim-Supported
Weight	14 oz./sq yd. nom.
Thickness	0.065" - 0.085"
Finish	Singed
Mullen	400 PSI min.
Permeability	25-40 CFM @ 0.5" W.G.
Temperature	400°F Continuous to 425°F Surge

16 oz. CONEX®/NOMEX® (Aramid)

Style **CX16SS**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% Aramid
Construction	Needle Punched, Scrim-Supported
Weight	16 oz./sq yd. nom.
Thickness	0.070" - 0.090"
Finish	Singed
Mullen	500 PSI min.
Permeability	20-30 CFM @ 0.5" W.G.
Temperature	400°F Continuous to 425°F Surge

14 oz. P84®

Style **P814SS**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% P84
Construction	Needle Punched, Scrim-Supported
Weight	14 oz./sq yd. nom.
Thickness	0.080" - 0.100"
Finish	Singed
Mullen	350 PSI min.
Permeability	25-45 CFM @ 0.5" W.G.
Temperature	450°F Continuous to 475°F Surge

14 oz. TORCON®/PROCON® Felt/PPS

Style **RY16SS**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% Ryton
Construction	Needle Punched, Scrim-Supported
Weight	16 oz./sq yd. nom.
Thickness	0.055" - 0.080"
Finish	Singed
Mullen	380 PSI min.
Permeability	25-45 CFM @ 0.5" W.G.
Temperature	375°F Continuous to 400°F Surge

All specifications subject to change in order to improve product performance.

Specialty Materials



Draylon® 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 (Anti-Static)

Also available with stainless steel fiber and scrim

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	16 oz.
Static dissipation rate	

Wovens

Acrylic • Polyester • Cotton • Polypropylene • Fiberglass
 TORCON®/PROCON® PPS • NOMEX®/CONEX® • Teflon®

Due to the variety of constructions and weights of the woven materials, we suggest that you contact a Standard Filter representative to discuss your particular needs

Specialty Material Specs

16 oz. Draylon® Acrylic Felt

Style **AC16SS**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% Acrylic
Construction	Needle Punched, Scrim-Supported
Weight.....	16 oz./sq yd. nom.
Thickness	0.085" - 0.105"
Finish.....	Singed
Mullen	450 PSI min.
Permeability.....	25-40 CFM @ 0.5" W.G.
Temperature	250°F Continuous to 275°F Surge

18 oz. Draylon® Acrylic Felt

Style **AC18SS**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% Acrylic
Construction	Needle Punched, Scrim-Supported
Weight.....	18 oz./sq yd. nom.
Thickness	0.080" - 0.110"
Finish.....	Singed
Mullen	450 PSI min.
Permeability.....	15-45 CFM @ 0.5" W.G.
Temperature	250°F Continuous to 275°F Surge

16 oz. Epitropic/Polyester Anti-Static Felt

Style **EP16SS**
Primary Applications Dry Filtration

PROPERTY	U.S. SYSTEM
Fiber Content	100% Polyester / 3% Epitropic
Construction.....	Needle Punched, Scrim-Supported
Weight.....	16 oz./sq yd. nom.
Thickness	0.065" Nom.
Finish.....	Singed
Mullen	325 PSI min.
Permeability.....	25-35 CFM @ 0.5" W.G.
Temperature	275°F Continuous to 300°F Surge

**All specifications subject to change in order to improve product performance.
Please call for specific woven materials specifications.**

Resistance to Chemicals

	Dacron® Polyester	Polypropylene	P84®	Nomex®/Conex®	Draylon® Acrylic	Teflon®	Torcon®/Procon® PPS	Fiberglass	Cotton
Temperature Limit F°	275*	190*	500*	400*	260*	500*	375*	500*	212*
Resistance to Acid									
Hydrochloric	G	G	F	N	G	G	G	F	N
Sulfuric	F	G	G	N	G	G	G	F	N
Nitric	F	G	G	N	G	G	F	G	N
Chromic	G	G	N	N	G	G	N	G	N
Aqua Regina	F	G	N	N	G	G	N	G	N
Acetic	G	G	G	F	G	G	G	G	G
Formic	G	G	G	F	G	G	O	G	F
Resistance to Alkali									
Anmonium Hydroxide	N	F	G	F	F	G	G	G	F
Sodium Hydroxide	N	G	F	F	F	G	G	N	G
Potassium Hydroxide	N	F	F	F	N	G	G	N	G
Resistance to Salt									
Calcium Chloride	G	G	G	F	G	G	O	F	G
Sodium Chloride	G	G	G	G	G	G	O	F	G
Zinc Chloride	N	G	F	F	F	G	O	G	F
Resistance to Oxidizing Agent									
Hydrogen Peroxide	F	G	F	O	G	G	O	G	G
Sodium Hypochlorite	G	N	G	F	G	G	O	N	F
Chlorine	F	G	N	N	F	G	O	N	F
Fluorine	F	G	N	O	F	G	O	N	N
Resistance to Organic Solvent									
Acetone	G	F	G	G	G	G	O	G	G
Carbon T etra-Chlorite	G	F	G	G	G	G	G	G	G
Ethyl Alcohol	G	G	G	G	G	G	G	G	G
MEK	G	F	G	G	G	G	O	G	O
Tri-Chloro Ethylene	G	F	G	G	G	G	O	G	G
Toluen	G	N	G	G	G	G	F	G	G
DEG	G	G	G	G	G	G	O	G	O
Resistance to Mineral Oil	G	G	G	G	G	G	G	G	G

G = Good F = Fair N = Not recommended O = No data available

Quick Reference: Finishes

Finishes

Fibers	SINGE	CALENDAR	6% OLEOPHOBIC	PTFE MEMBRANE	2% SILICONE IMPREGNATION	6% PTFE IMPREGNATION	PTFE COATING	10% FLAME RETARDANT
DACRON® POLYESTER	X	X	X	X	X	X	X	X
POLYPROPYLENE	X	X	NA	X	X	NA	NA	NA
P84®	X	X	NA	X	NA	X	X	NA
NOMEX®/CONEX®	X	X	X	X	X	X	X	NA
DRAYLON® ACRYLIC	X	X	X	X	X	X	X	X
TEFLON®	NA	X	NA	NA	NA	NA	X	NA
TORCON®/ PROCON® PPS		X	X	X	X	X	X	X
FIBERGLASS	NA	NA	NA	X	NA	NA	X	NA

X = Available NA = Not Available