

## Fiber Properties

**Recommended  
Maximum Operating  
Temperature F.**

Fiber	Available In	Tensile Strength	Abrasion Resistance	Chemical Acids	Resistance Alkalies	Support Combustion	Continuous	Surges
Cotton	Woven	Good	Good	Poor	Good	Yes	180	200
Polypropylene	Woven / Felted	Excellent	Excellent	Excellent	Excellent	Yes	200	200
Nylon	Woven	Excellent	Excellent	Poor	Excellent	Yes	200	250
Wool	Woven / Felted	Poor	Fair	Good	Poor	No	200	230
Homopolymer Acrylic	Woven / Felted Knit/Spun	Good	Good	Very Good	Fair	Yes	260	284
Copolymer Acrylic	Woven / Felted	Average	Fair	Good	Fair	Yes	230	248
Polyester	Woven, Felted Knit/Spun, Bonded	Excellent	Excellent	Fair	Fair	Yes	275	300
Aramid	Woven / Felted	Very Good	Excellent	Fair	Good	No	375	425
Teflon®	Woven / Felted	Average	Fair	Excellent	Excellent	No	450	500
Fiberglass	Woven / Felted	Excellent	Fair	Good	Fair	No	500	550
PPS	Woven / Felted	Very Good	Excellent	Excellent	Very Good	No	375	425
P84®	Woven / Felted	Very Good	Excellent	Very Good	Fair	No	500	550