

## Basic Fiber Characteristics

Fiber	Max Cont. Oper. Temp. (°F)	Acid Resistance	Alkali Resistance	Flex Abrasion	Support Combustion	Special Properties
Acrylic Co-Polymer	248°	Good	Fair	Good	Yes	Performs well in moist heat
Cotton	180°	Poor	Excellent	Good	Yes	Low cost can be treated with a flame retardant agent
Polyester	275°	Good	Fair	Good	Yes	Degradation may occur in hot, humid conditions
Acrylic Homo-Polymer	284°	Good	Fair	Good	Yes	An acrylic, but for higher temperature applications
Fiberglass	550°	Fair	Poor	Poor	No	Finishes limit maximum temperature range
Nylon	200°	Poor	Excellent	Excellent	Yes	Excellent tensile strength and flex life
Polypropylene	200°	Excellent	Excellent	Excellent	Yes	Excellent cake release
Nomex*	400°	Fair	Excellent	Good	No	High temperature Aramid
Teflon*	450°	Excellent	Excellent	Fair	No	Expensive-excellent chemical resistance
P-84**	500°	Good	Poor	Excellent	No	Non-flammable and thermostable organic fiber
Ryton***	375°	Excellent	Excellent	Good	Yes	Ability to perform at high temperature

\*Dupont Trademark

\*\*Lenzing AG Trademark

\*\*\*Phillips Trademark

## Media Coating & Finishes

Construction	Media	Plain	Glazed	Acrylic	Flame Retardant	Teflon	Singed
<b>Needled Felts</b>	Polyester	•	•	•	•	•	•
	Polypropylene	•	•			•	•
	Nylon	•			•		•
	Teflon	•					
	Nomex	•				•	•
	Ryton	•				•	•
	P-84	•				•	•
<b>Woven Material</b>	Cotton	•			•		
	Glass	•				•	
	Nylon	•			•		
	Polyester	•			•	•	
	Polypropylene	•					