

# FIBER COMPARISON CHART

## Relative Strengths of Fiber



1 = Lowest, 10 = Highest	Nylon	Poly-Pro	Cotton	Polyester	Nomex	Kevlar	PBI	Vectran	Dyneema
Cost	3	1	5	4	8	7	10	7	7
Strength	8	5	2	7	2	9	2	10	9
Abrasion Resistance	8	6	2	10	2	7	2	10	10
Resistance to UV	excellent	good	fair	excellent	fair	fair	fair	excellent	good
Mildew Resistance	excellent	excellent	poor	poor					excellent
Resistance to Acids	poor	excellent	poor	good	good	good	good	excellent	excellent
Resistance to Alkalis	good	excellent	poor	good	good	good	good	excellent	excellent
Resistance to Oil and Gas	good	excellent	poor	good	excellent	excellent	good	excellent	excellent
Melting Point	480°F	330°F	Chars at 300°F	480°F	Char 650°F	decom 900°F	decom 1400°F	536°F	300°F
Cut Resistance	5	5	5	5	5	10	5	10	10

**For information about ACW Specialty Yarns, please contact us at (401) 762-5500 or visit us at [www.acw1.com](http://www.acw1.com).**



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