



ISO 9001:2000
FILE #A5375

Cellusuede Products, Inc.

PHYSICAL AND CHEMICAL PROPERTIES

POLYESTER (45 DENIER)

Breaking Tenacity	Dry/Wet	2.0-2.5/2.0-2.5
Tensile Strength (psi)		80-88,000
Breaking Elongation (%)	Dry/Wet	120-150/120-150
Elastic Recovery (%)		NA
Average Stiffness (gpd)		NA
Average Toughness (g/cm)		1.3 - 1.8
Specific Gravity		1.38
Water Absorbency (%)	70°F, 65% RH	0.4
Effect of Heat	Sticks at 440° to 445°F. Melts at 482°	
Effects of Acids and Alkalis	Good resistance to most mineral acids. Dissolves with partial decomposition by concentrated solutions of sulfuric acid. Good resistance to weak alkalis at room temperature. Disintegrated by strong alkalis at the boil.	
Effects of Bleaches and Solvents	Excellent resistance to bleaches and other oxidizing agents. Generally insoluble except to phenolic compounds.	
Resistance to Mildew, Aging, Sunlight and Abrasion	Excellent resistance to mildew, aging, and abrasion. Prolonged exposure to sunlight causes some strength loss	

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