



ISO 9001:2008
File #10002028

Cellusuede Products, Inc.

PHYSICAL AND CHEMICAL PROPERTIES

POLYESTER

BREAKING TENACITY (GM PER DM)	STD.	2.4 to 7.0
	WET	2.4 to 7.0
TENSILE STRENGTH (PSI)		39-106,000
BREAKING ELONGATION (%)	STD.	12 to 55
	WET	12 to 55
ELASTIC RECOVERY (%)		81 at 3%
AVERAGE STIFFNESS (GM PER DM)		12 to 17
AVERAGE TOUGHNESS (G CM)		0.20 to 1.10
SPECIFIC GRAVITY		1.38
WATER ABSORBANCY (%)	21°C/70°F, 65% RH	0.4
EFFECT OF HEAT		Sticks at 227°C-230°C/440-445°F. Melts at 482°F.
EFFECT 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 boiling point.
EFFECT OF BLEACHES AND SOLVENTS		Excellent resistance to bleaches and other oxidizing agents. Generally insoluble, except in some phenolic compounds.
RESISTANCE TO MILDEW, AGING, SUNLIGHT & ABRASION.		Excellent resistance to mildew, aging and abrasion Prolonged exposure to sunlight causes some strength loss.

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