



ISO 9001:2015  
File #10002028

# Cellusuede Products, Inc.

## PHYSICAL AND CHEMICAL PROPERTIES

### MODACRYLIC

Breaking Tenacity (gm/den)	Wet/Dry	2.7/3.06
Breaking Elongation (%)	Wet/Dry	20/35
Elastic Recovery @ 10% elongation (%)		95%
Tensile Strength (psi):		29,000 – 45,000
Young's Modulus (kg/mm <sup>2</sup> )		200-350
Specific Gravity		1.32
Water Absorbency (%)	21°C/70°F, 65% RH	2.5
Dry Heat Shrinkage	150° C (302°F)	10%
Weathering	Excellent resistance to mildew, aging and sunlight. Good resistance to abrasion.	
Effect of Heat	Does not melt. Does not support combustion (self-extinguishing). Decomposes at 205°C/400°F.	
Effects of Acids and Alkalis	Good resistance to common mineral acids (hydrochloric, sulfuric and nitric). Good resistance to weak alkalis. Moderate resistance to strong, cold alkalis.	
Effects of Bleaches and Solvents	Not affected by hypochlorite or chlorite bleaching compounds. Softens in ethyl acetate. Swells in dimethyl pyridine.	

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