



ISO 9001:2008
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 ²) | | 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. | |

Rev. 4/29/15