

Leading Brands
Responsive Solutions.

TEXTILENE
SUNSURE[®]
BRAND FABRIC
Synthetic Fabric

Technical Data

Item Number: T91

Product Description: A dense woven fabric using .018" diameter vinyl-coated 500 denier polyester core yarns in warp .025" diameter vinyl-coated 1000 denier polyester core yarn in the fill.

Attribute	ASTM	Warp	Fill	Typical
Weight, oz/yd ²	D3779-96	—	—	16.3
Tensile Strength (Grab), lbf	D5034-95	448.0	250.0	
Tensile Strength (Strip), lbf	D5035-95	340.0	179.7	
Tear Strength (Trapezoidal), lbf	D1117-97	93.7	47.7	
Elongation, %	D5035-95	38.0	29.7	
Abrasion Resistance (CS10/500 cycles/ with no added weight)	D3884-92	No exposure of core yarn		
Flammability Rating		CS-191-53 & CA 117 E		
Weatherability, 1200 hours	G53-96	Trace discoloration		
Mildew Resistance	G21-96	No growth		

The above results are representative of real data from a single test sample in our laboratory. Independent test results may vary. Presently no specification is incorporated.

Color is the key factor in selecting a TEXTILENE SUNSURE[®] fabric for awning or shade applications. Color will directly affect heat gain. Light colors are more reflective with a lower heat gain, and are more difficult to see through due to surface brilliance and higher reflectance. Darker colors provide better daytime visibility. These colors absorb light and heat while transmitting less light and having lower surface brilliance. Twitchell's specially designed TEXTILENE SUNSURE[®] fabric can create an ideal balance between unique high quality looks and the proper amount of shade factor. . . Sunrise to Sunset.

TEXTILENE SUNSURE[®] fabrics are tested through an independent laboratory in accordance with ASHRAE Standard 74-1988, "Method of Measuring Solar Properties of Materials" or other generally accepted methods. Solar optical values are reported according to solar transmission (Ts), solar reflectance (Rs) and solar absorption (As). A Shade Factor is defined based upon the Solar Optical Properties.

SUNSURE [®] Shade Factor				
Profile Angle	Transmittance	Shade Factor	Reflectance	Absorption
0°	0.12	88%	0.51	0.37
30°	0.12	88%	0.53	0.35
45°	0.11	89%	0.54	0.35
75°	0.08	92%	0.63	0.29