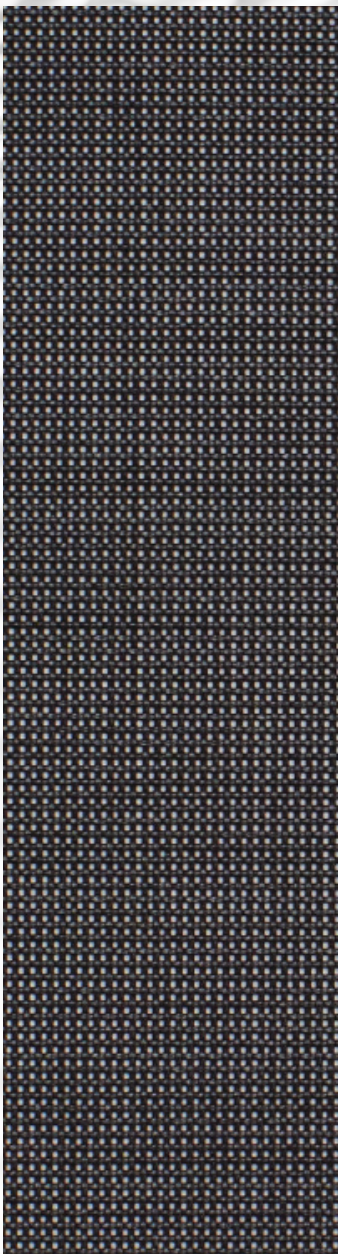
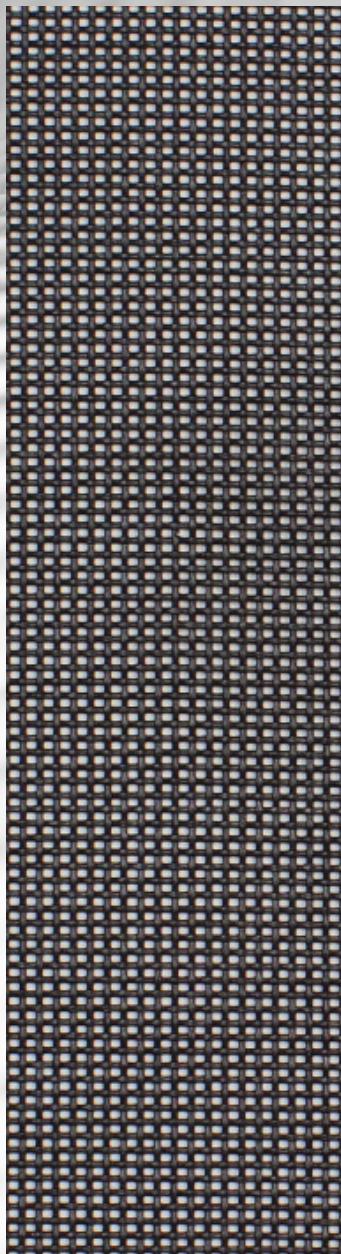




Due to the technical limitations of digital cameras and inconsistencies of display monitors, the characteristics and colors of the fabrics seen on your screen may be slightly different than the actual product.

TEXTILENE® 80 and 90 are durable synthetic fabrics made of PVC coated polyester. Designed to reduce heat transfer and solar glare, our fabrics can lower overall energy cost and protect indoor furnishings. Fade resistant, they are excellent choices for a variety of indoor or outdoor uses. TEXTILENE® 80 blocks up to 80% of the sun’s rays and TEXTILENE® 90 blocks up to 90% of the sun’s rays.

\*Custom colors and widths available. Minimum order of 1000 yds. Upcharges may apply. \*\* Available in 33.3 lyd rolls.

## Specifications

**REACH Compliant** - Regulated by Registration, Evaluation, Authorization and Restriction of Chemicals. REACH places greater responsibility on industry to manage the risks that chemicals may pose to human health and the environment.

**Children’s Toy Act** - Does not contain harmful phthalates listed under Section 108 of the Consumer Product Safety Improvement Act of 2008 (CPSIA).

**Fire Classification** - Passes California U.S. Title 19 (small scale), NFPA701-2015 TM#1 (small scale), NFPA 101 (Class A Rating), UBC (Class 1), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM #2 (large scale), and CAN/ULC-S 109-03 (large and small scale).

**Environmental Certification** - GREENGUARD gold certified. Acceptable for use in environments such as schools and healthcare facilities. Complies with requirements of the State of California’s Department of Public Health “Standard Method for Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1 (2010)” (also known as California Section 01350).

**RoHS Compliant** - Free of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE).

**Bacteria and Fungal Resistance** - Passes ASTM E 2180, ASTM G21. Includes specially formulated antimicrobial.

## Technical Data

**Item Number:** T18DES, T18BET, T18DET, T18DCS, T18BCT, T18DCT

**Product Description:** A woven fabric using .025” diameter vinyl coated 1000 denier polyester core yarns in the warp and fill.

*These results are a representation of real data from single test samples. Presently no specification is incorporated.*

| Attribute                                                      | ASTM     |
|----------------------------------------------------------------|----------|
| Construction, end/inch                                         | D3775-12 |
| Weight, oz/yd <sup>2</sup>                                     | D3776-09 |
| Weight, g/m <sup>2</sup>                                       | D3776-09 |
| Tensile Strength (grab), lbf / daN                             | D5034-09 |
| Tensile Strength (strip), lbf / daN                            | D5035-11 |
| Tear Strength (trapezoidal), lbf / daN                         | D5733    |
| Elongation, %                                                  | D5035-11 |
| Abrasion Resistance<br>(CS10/500 cycles/ with no added weight) | D3884-09 |
| Flammability Rating                                            |          |
| Weatherability, 1200 hours                                     | G154     |
| Mildew Resistance                                              | G21-13   |
| Thickness, inches/mm                                           | D1777-96 |



| Warp                     | Fill        | Typical |
|--------------------------|-------------|---------|
| 16.0 ±0.5                | 14.5 ±0.5   |         |
|                          |             | 13.0    |
|                          |             | 440.8   |
| 304.7/138.2              | 290.9/132.0 |         |
| 230.7/104.6              | 193.7/87.9  |         |
| 76.8/34.8                | 58.8/26.7   |         |
| 13.8                     | 13.0        |         |
| No Exposure of Core Yarn |             |         |
| CS191-53 & CA117E        |             |         |
| Trace Discoloration      |             |         |
| No growth                |             |         |
| .0328”/.83312mm          |             |         |



| Warp                     | Fill        | Typical |
|--------------------------|-------------|---------|
| 20.0 ±0.5                | 18.0 ±0.5   |         |
|                          |             | 15.8    |
|                          |             | 535.8   |
| 608.3/275.9              | 527.3/239.2 |         |
| 269.8/121.9              | 225.3/102.2 |         |
| 68.3/31.0                | 67.6/30.7   |         |
| 29.3                     | 29.8        |         |
| No Exposure of Core Yarn |             |         |
| CA Title 19 & NFPA 701   |             |         |
| Trace Discoloration      |             |         |
| No growth                |             |         |
| .0345”/.8763mm           |             |         |



|               | Twitchell Exterior Window Shade Solar Screen |             |      |      |         |      |      |                     |      |           |           |           |           |          |
|---------------|----------------------------------------------|-------------|------|------|---------|------|------|---------------------|------|-----------|-----------|-----------|-----------|----------|
|               |                                              |             |      |      |         |      |      | Shading Coefficient |      |           |           |           |           |          |
|               | Profile                                      | Total Solar |      |      | Visible |      |      | UV                  | O.F. | 1/8" Clr. | 1/4" Clr. | 1/4" Clr. | Clr. Dbl. | HA/ Dbl. |
|               | Angle                                        | Trans.      | Ref. | Abs. | Trans.  | Ref. | Abs. | Trans.              |      |           |           |           |           |          |
| TEXTILENE® 80 | 0                                            | 0.24        | 0.03 | 0.73 | 0.21    | 0.04 | 0.75 | 0.33                | 0.23 | 0.33      | 0.33      | 0.31      | 0.28      | 0.26     |
|               | 45                                           | 0.20        | 0.03 | 0.77 | 0.18    | 0.04 | 0.78 | 0.29                | n/a  | 0.29      | 0.29      | 0.27      | 0.25      | 0.22     |
| TEXTILENE® 90 | 0                                            | 0.13        | 0.0  | 0.83 | 0.14    | 0.06 | 0.78 | 0.15                | 0.13 | 0.23      | 0.23      | 0.22      | 0.19      | 0.16     |
|               | 45                                           | 0.09        | 0.06 | 0.86 | 0.11    | 0.06 | 0.83 | n/a                 | n/a  | 0.19      | 0.19      | 0.18      | 0.15      | 0.14     |

DISTRIBUTED OR MANUFACTURED BY:

# TEXTILENE<sup>®</sup> 80

BRAND FABRIC

# TEXTILENE<sup>®</sup> 90

BRAND FABRIC

# TEXTILENE<sup>®</sup> 90

BRAND FABRIC

# TEXTILENE<sup>®</sup> 80

BRAND FABRIC

White  
~~T18DES043 x 72"~~  
~~T18DES047 x 96"~~  
~~T18DES266 x 126"~~

~~Desert Sand~~  
~~T18DET002 x 36"~~  
~~T18DET003 x 48"~~  
~~T18DET006 x 60"~~  
~~T18DET001 x 72"~~  
~~T18DET011 x 96"~~  
~~T18DET033 x 126"~~

~~Sandstone~~  
~~T18DES191 x 36"~~  
~~T18DES194 x 48"~~  
~~T18DES192 x 60"~~  
~~T18DES196 x 72"~~  
~~T18DES237 x 96"~~  
~~T18DES267 x 126"~~

~~Dusk Grey~~  
~~T18DES183 x 36"~~  
~~T18DES182 x 48"~~  
~~T18DES181 x 60"~~  
~~T18DES180 x 72"~~  
~~T18DES179 x 96"~~  
~~T18DES270 x 126"~~

~~Brown~~  
~~T18DES177 x 36"~~  
~~T18DES176 x 48"~~  
~~T18DES175 x 60"~~  
~~T18DES174 x 72"~~  
~~T18DES173 x 96"~~  
~~T18DES171 x 126"~~

~~Black/Brown~~  
~~T18DET010 x 36"~~  
~~T18DET011 x 48"~~  
~~T18DET021 x 60"~~  
~~T18DET022 x 72"~~  
~~T18DET023 x 96"~~  
~~T18DET027 x 126"~~

White  
~~T18DCS028 x 72"~~  
T18DCS085 x 96"  
T18DCS130 x 126"

Desert Sand  
~~T18BCT010 x 36"~~  
~~T18BCT011 x 48"~~  
~~T18BCT012 x 60"~~  
~~T18BCT003 x 72"~~  
T18BCT014 x 96"  
T18BCT021 x 126"

Sandstone  
~~T18DCS076 x 36"~~  
~~T18DCS077 x 48"~~  
~~T18DCS078 x 60"~~  
~~T18DCS039 x 72"~~  
T18DCS081 x 96"  
T18DCS129 x 126"

Dusk Grey  
~~T18DCS019 x 36"~~  
~~T18DCS016 x 48"~~  
~~T18DCS020 x 60"~~  
~~T18DCS018 x 72"~~  
T18DCS015 x 96"  
T18DCS0126 x 126"

Brown  
~~T18DCS012 x 36"~~  
~~T18DCS009 x 48"~~  
~~T18DCS013 x 60"~~  
~~T18DCS011 x 72"~~  
T18DCS080 x 96"  
T18DCS128 x 126"

Black/Brown  
~~T18DCT025 x 36"~~  
~~T18DCT026 x 48"~~  
~~T18DCT032 x 60"~~  
~~T18DCT027 x 72"~~  
T18DCT028 x 96"  
~~T18DCT034 x 126"~~

Black  
~~T18DCS005 x 36"~~ T18DCS004 x 72"  
~~T18DCS002 x 48"~~ T18DCS079 x 96"  
~~T18DCS006 x 60"~~ T18DCS127 x 126"

Black  
T18DES038 x 36" T18DES041 x 72"  
T18DES039 x 48" T18DES036 x 96"  
T18DES040 x 60" T18DES0265 x 126"