





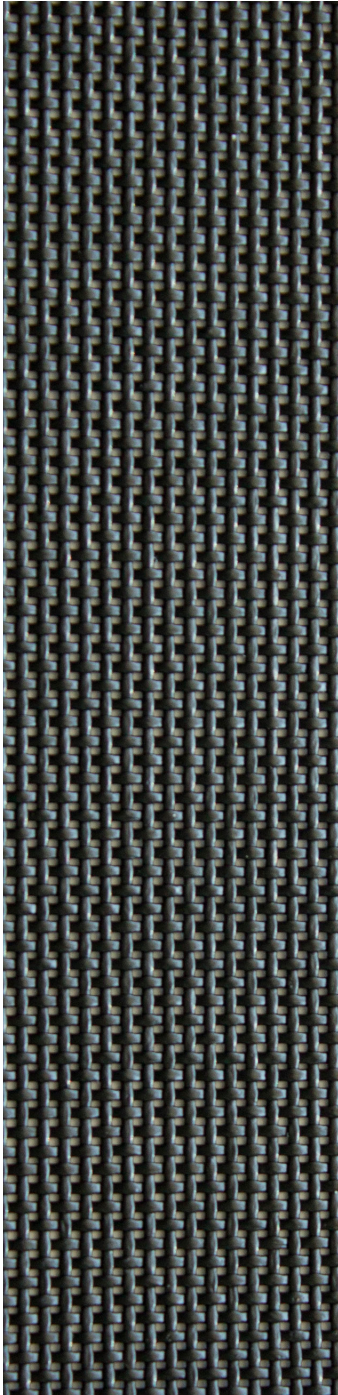
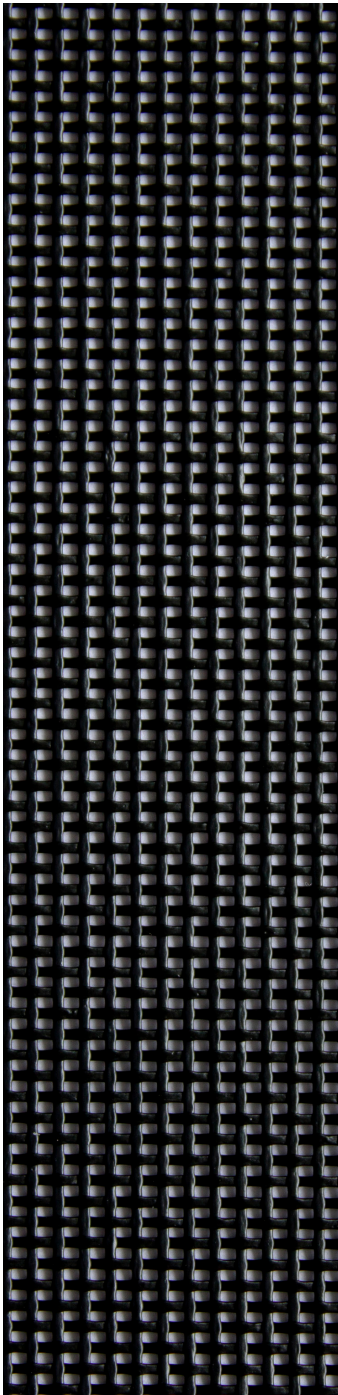
Technical Products, LLC™

TEXTILENE® 80
BRAND FABRIC

TEXTILENE® 90
BRAND FABRIC

The original
all-weather fabric.

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 yards. Upcharges may apply. **Available in 33.3 linear yard rolls.

4031 Ross Clark Circle NW • Dothan, Alabama 36303 • 1.800.633.7550 • Fax: 334.673.4126 • www.twitchellcorp.com

Specifications



Technical Data

Item Number: T18DE, T18DC

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

Attribute	ASTM	Warp	Fill	Typical
Construction, end/inch	D3775-12	16.0 ±0.5 20.0 ±0.5	14.5 ±0.5 18.0 ±0.5	
Weight, oz/yd²	D3776-09	-	-	13.0 15.8
Weight, g/m²	D3776-09	-	-	440.8 535.8
Tensile Strength (grab), lbf / kgf	D5034-09	304.7 / 138.2 608.3 / 275.9	290.9 / 132.0 527.3 / 239.2	
Tensile Strength (strip), lbf / kgf	D5035-11	230.7 / 104.6 269.8 / 121.9	193.7 / 87.9 225.3 / 102.2	
Tear Strength (trapezoidal), lbf / kgf	D5733	76.8 / 34.8 68.3 / 31.0	58.8 / 26.7 67.6 / 30.7	
Elongation, %	D5035-11	13.8 29.3	13.0 29.8	
Abrasion Resistance (CS10/500 cycles/ with no added weight)	D3884-09	No Exposure of Core Yarn		
Flammability Rating	CS191-53 & CA117E (TEXTILENE® 80) CA Title 19 & NFPA 701 (TEXTILENE® 90)			
Weatherability, 1200 hours	G154	Trace Discoloration		
Mildew Resistance	G21-13	No Growth		
Thickness, inches/mm	D1777-96	0.028" / 0.030mm 0.711" / 0.762mm		

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

TEXTILENE® 80

Twitchell Exterior Window Shade Solar Screen

Profile	Total Solar	Visible	Shading Coefficient									
			UV		1/8" O.F.	1/4" Clr.	1/4" Clr.	1/4" Clr.	Clr. Dbl.	HA/ Dbl.		
Angle	Trans.	Ref.	Abs.	Trans.	Ref.	Abs.	Trans.	O.F.	Clr.	Dbl.	Dbl.	
0	0.24	0.03	0.73	0.21	0.04	0.75	0.33	0.23	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	0.27	0.25	0.22

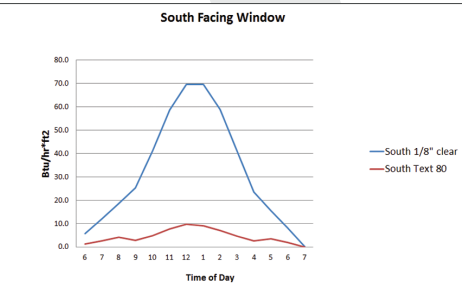
TEXTILENE® 90

Twitchell Exterior Window Shade Solar Screen

Profile	Total Solar	Visible	Shading Coefficient									
			UV		1/8" O.F.	1/4" Clr.	1/4" Clr.	1/4" Clr.	Clr. Dbl.	HA/ Dbl.		
Angle	Trans.	Ref.	Abs.	Trans.	Ref.	Abs.	Trans.	O.F.	Clr.	Dbl.	Dbl.	
0	0.13	0.0	0.83	0.14	0.06	0.78	0.15	0.13	0.23	0.23	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	0.14

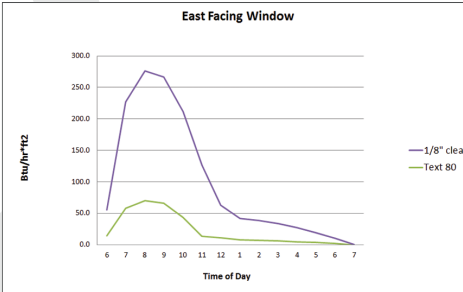
TEXTILENE® 80

South Facing Window



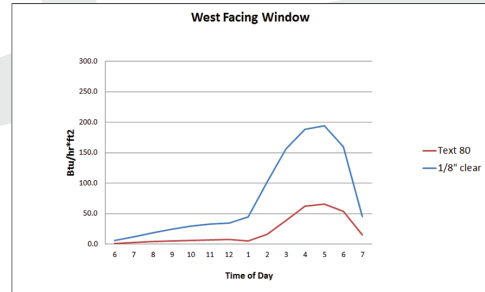
TEXTILENE® 80

East Facing Window



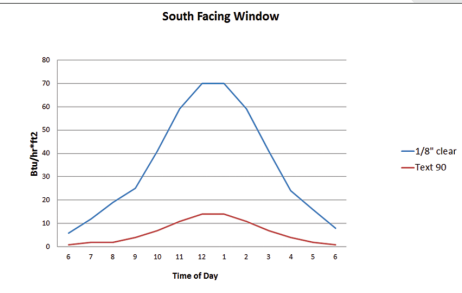
TEXTILENE® 80

West Facing Window



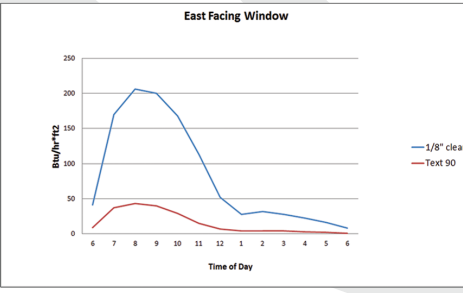
TEXTILENE® 90

South Facing Window



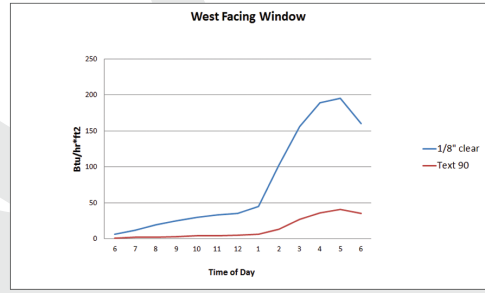
TEXTILENE® 90

East Facing Window

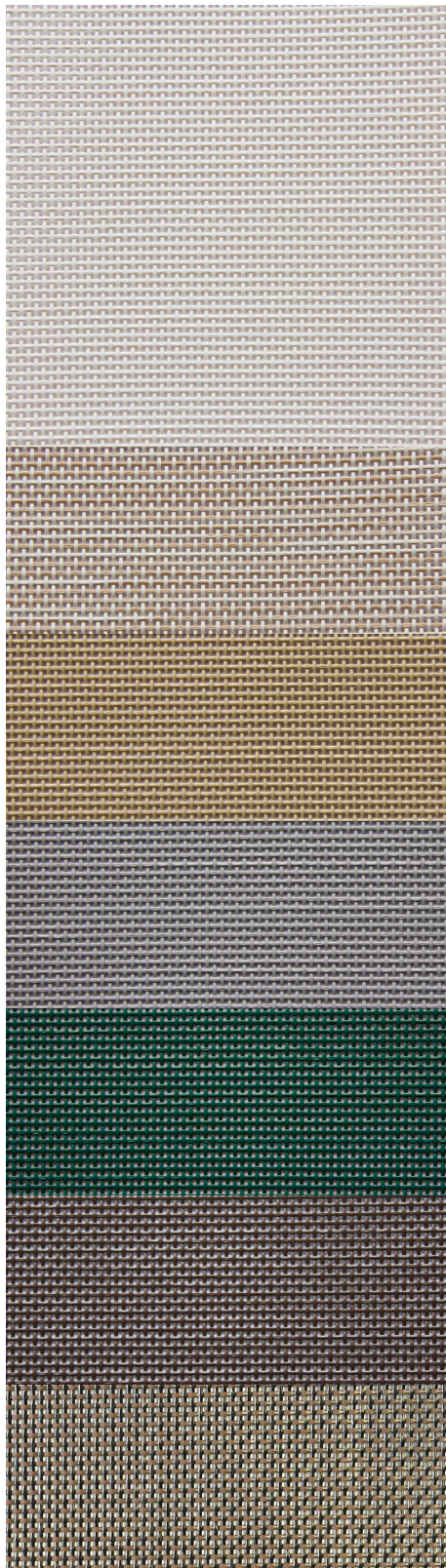


TEXTILENE® 90

West Facing Window



TEXTILENE® 80
BRAND FABRIC



White
T18DES043 x 72"
T18DES047 x 96"

Desert Sand
T18BET002 x 36"
T18BET003 x 48"
T18BET006 x 60"
T18BET001 x 72"
T18BET011 x 96"

Sandstone
T18DES191 x 36"
T18DES194 x 48"
T18DES192 x 60"
T18DES190 x 72"
T18DES237 x 96"

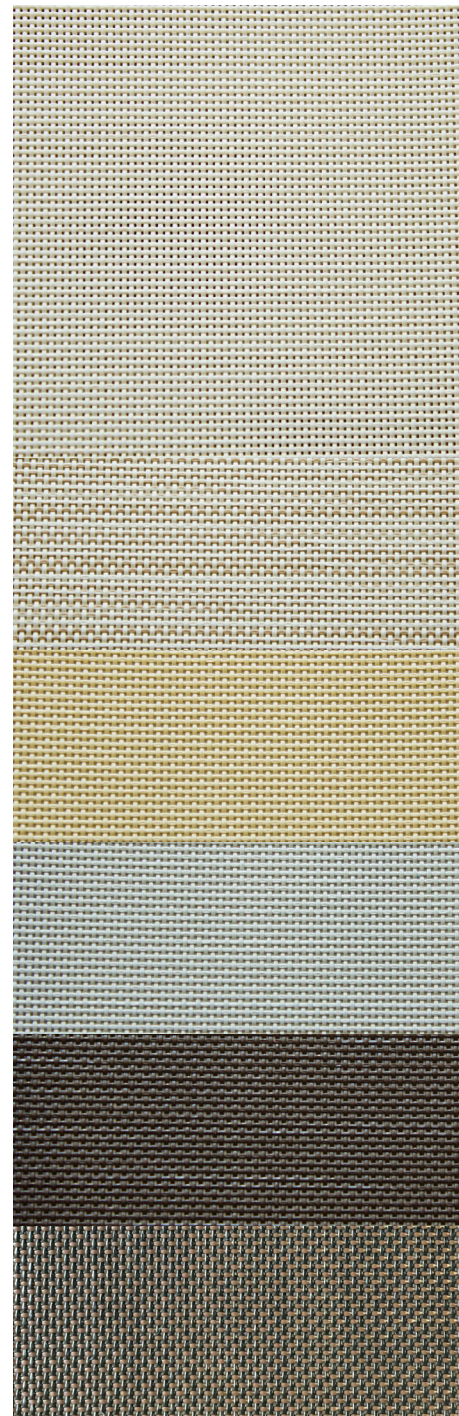
Dusk Grey
T18DES183 x 36"
T18DES182 x 48"
T18DES181 x 60"
T18DES179 x 96"

Forest Green
T18DES096 x 96"

Brown
T18DES178 x 24"
T18DES177 x 36"
T18DES176 x 48"
T18DES175 x 60"
T18DES174 x 72"
T18DES173 x 96"

Black/Brown
T18DET020 x 36"
T18DET021 x 48"
T18DET022 x 72"
T18DET023 x 96"

TEXTILENE® 90
BRAND FABRIC



White
T18DCS028 x 72"
T18DCS085 x 96"
T18DCS086 x 120"

Desert Sand
T18BCT010 x 36"
T18BCT011 x 48"
T18BCT012 x 60"
T18BCT002 x 72"
T18BCT014 x 96"
T18BCT015 x 120"

Sandstone
T18DCS078 x 60"
T18DCS039 x 72"
T18DCS081 x 96"
T18DCS084 x 120"

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

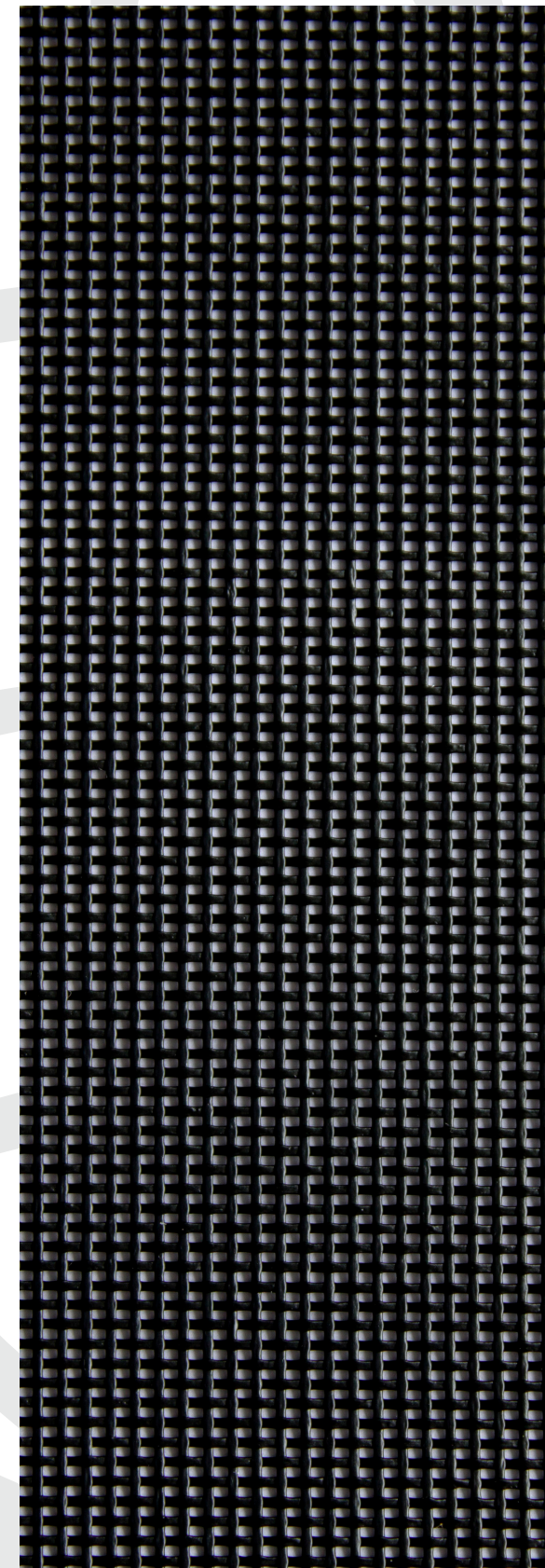
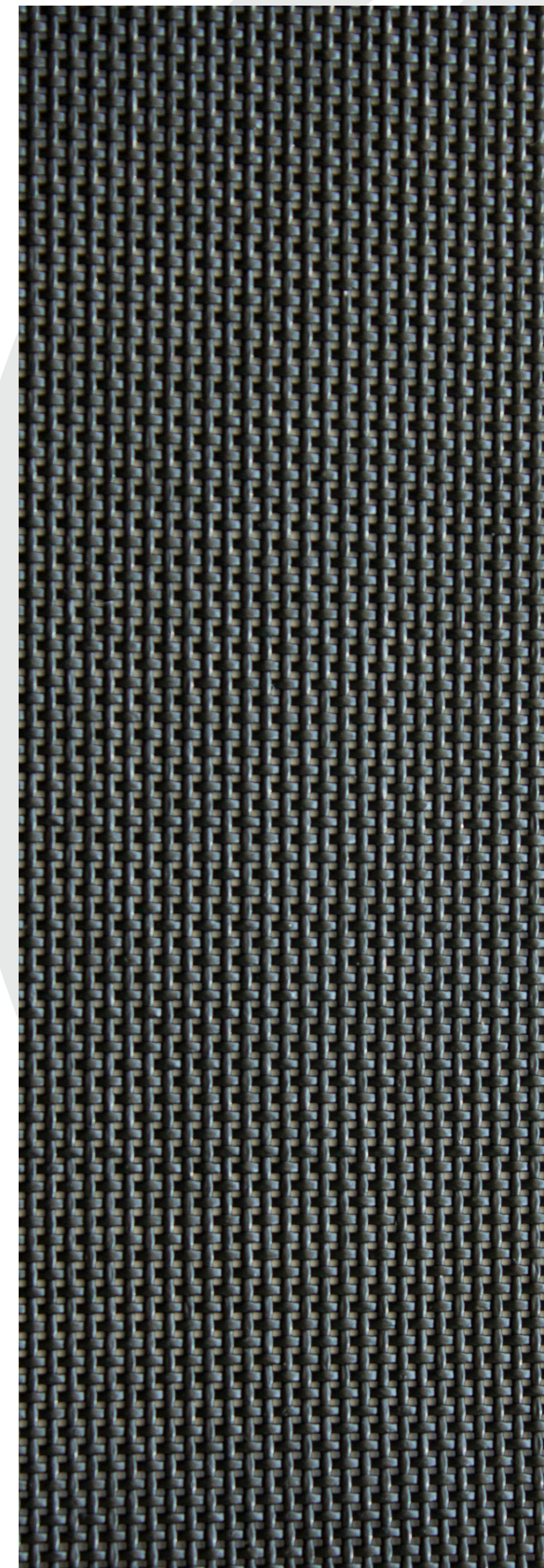
Brown
T18DCS012 x 36"
T18DCS009 x 48"
T18DCS013 x 60"
T18DCS011 x 72"
T18DCS080 x 96"
T18DCS083 x 96"

Black/Brown
T18DCT025 x 36"
T18DCT026 x 48"
T18DCT027 x 72"
T18DCT028 x 96"

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.

Black
T18DCS005 x 36"
T18DCS002 x 48"
T18DCS006 x 60"
T18DCS004 x 72"
T18DCS079 x 96"
T18DCS082 x 120"

Black
T18DES037 x 24"
T18DES038 x 36"
T18DES039 x 48"
T18DES040 x 60"
T18DES041 x 72"
T18DES036 x 96"



24" = 60.96 cm, 36" = 91.44 cm, 48" = 121.92 cm, 60" = 152.4 cm, 72" = 182.88 cm, 96" = 243.84 cm, 120" = 304.8 cm

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