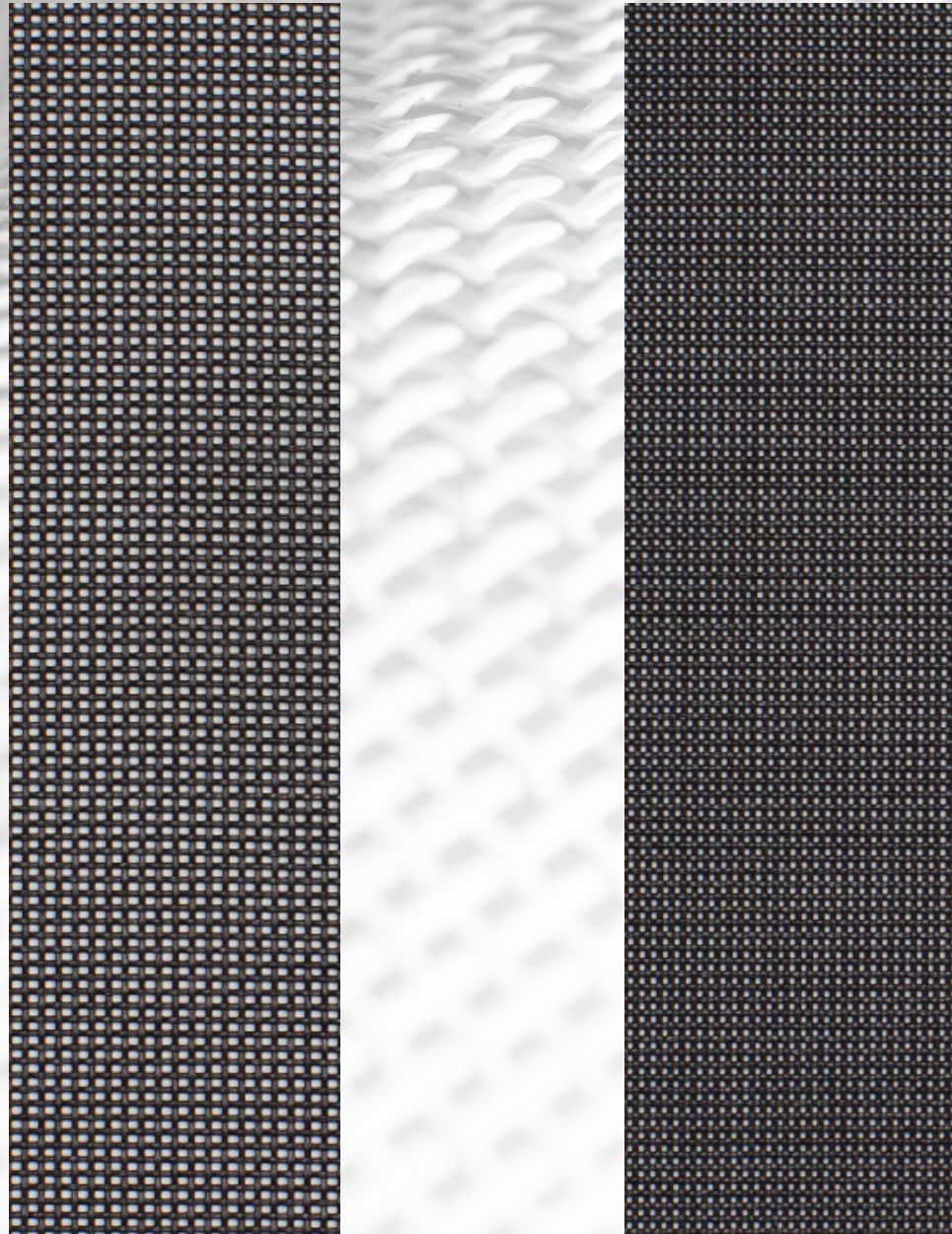




TEXTILENE[®] 80
BRAND FABRIC

TEXTILENE[®] 90
BRAND FABRIC



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 yd 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.

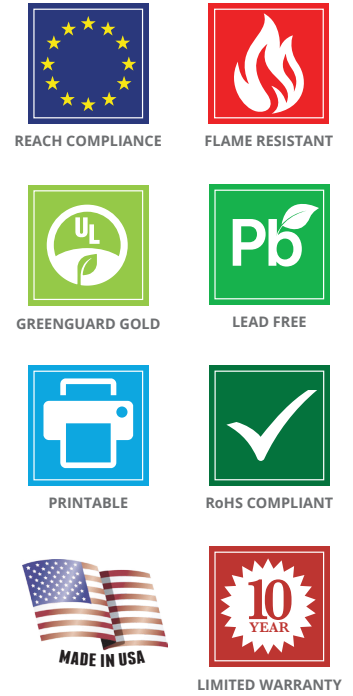
Children's Toy Act - Does not contain harmful phthalates listed under Section 108 of the Consumer Product Safety Improvement Act of 2008 (CPSIA).

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	TEXTILENE [®] 80			TEXTILENE [®] 90		
		Warp	Fill	Typical	Warp	Fill	Typical
Construction, end/inch	D3775-12	16.0 ±0.5	14.5 ±0.5		20.0 ±0.5	18.0 ±0.5	
Weight, oz/yd ²	D3776-09			13.0			15.8
Weight, g/m ²	D3776-09			440.8			535.8
Tensile Strength (grab), lbf / daN	D5034-09	304.7/138.2	290.9/132.0		608.3/275.9	527.3/239.2	
Tensile Strength (strip), lbf / daN	D5035-11	230.7/104.6	193.7/87.9		269.8/121.9	225.3/102.2	
Tear Strength (trapezoidal), lbf / daN	D5733	76.8/34.8	58.8/26.7		68.3/31.0	67.6/30.7	
Elongation, %	D5035-11	13.8	13.0		29.3	29.8	
Abrasion Resistance (CS10/500 cycles with no added weight)	D3884-09	No Exposure of Core Yarn			No Exposure of Core Yarn		
Flammability Rating		CS191-53 & CA117E			CA Title 19 & NFPA 701		
Weatherability, 1200 hours	G154	Trace Discoloration			Trace Discoloration		
Mildew Resistance	G21-13	No growth			No growth		
Thickness, inches/mm	D1777-96	.0328"/.83312mm			.0345"/.8763mm		

	Twitchell Exterior Window Shade Solar Screen													
	Profile	Total Solar			Visible			UV Trans.	Shading Coefficient					
		Angle	Trans.	Ref.	Abs.	Trans.	Ref.		Abs.	O.F.	1/8" Clr.	1/4" Clr.	1/4" Clr. Dbl.	Clr. Dbl.
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:

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

Desert Sand
T18BET002 x 36"
T18BET003 x 48"
T18BET006 x 60"
T18BET001 x 72"
T18BET011 x 96"
T18BET035 x 126"

Sandstone
T18DES191 x 36"
T18DES194 x 48"
T18DES192 x 60"
T18DES190 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"
T18DES271 x 126"

Black/Brown
T18DET020 x 36"
T18DET021 x 48"
T18DET025 x 60"
T18DET022 x 72"
T18DET023 x 96"
T18DET027 x 126"



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

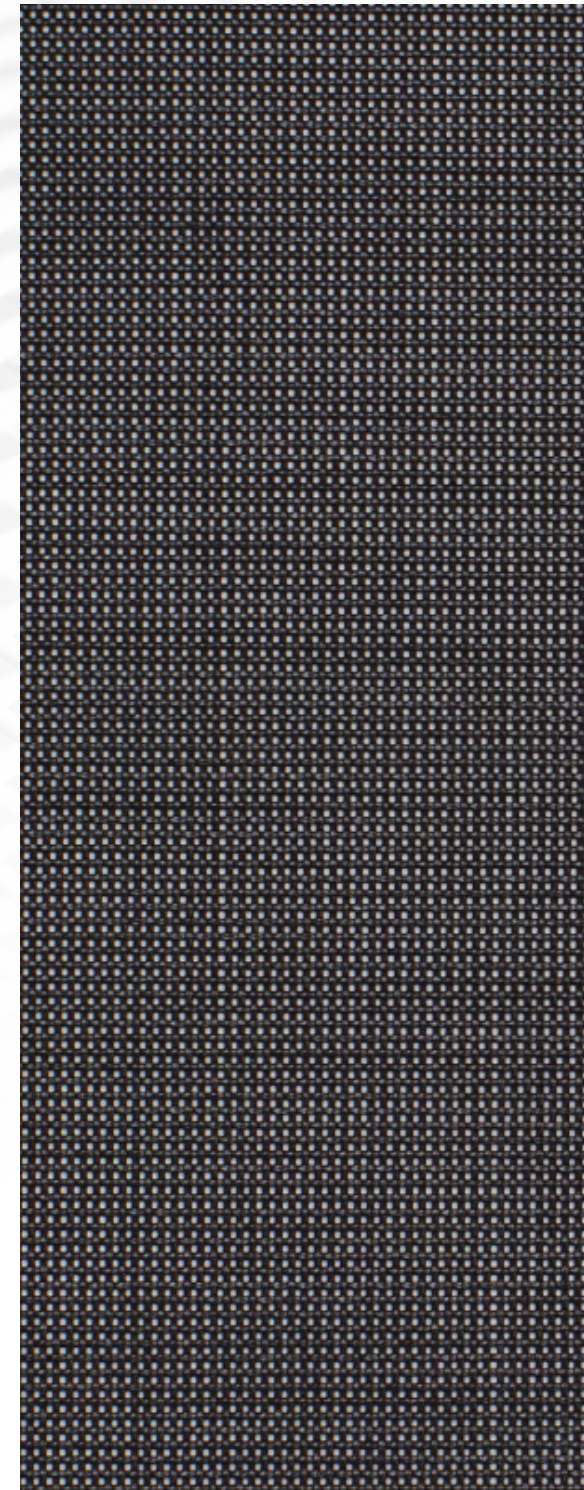
Desert Sand
T18BCT010 x 36"
T18BCT011 x 48"
T18BCT012 x 60"
T18BCT002 x 72"
T18BCT014 x 96"
T18BCT021 x 126"

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

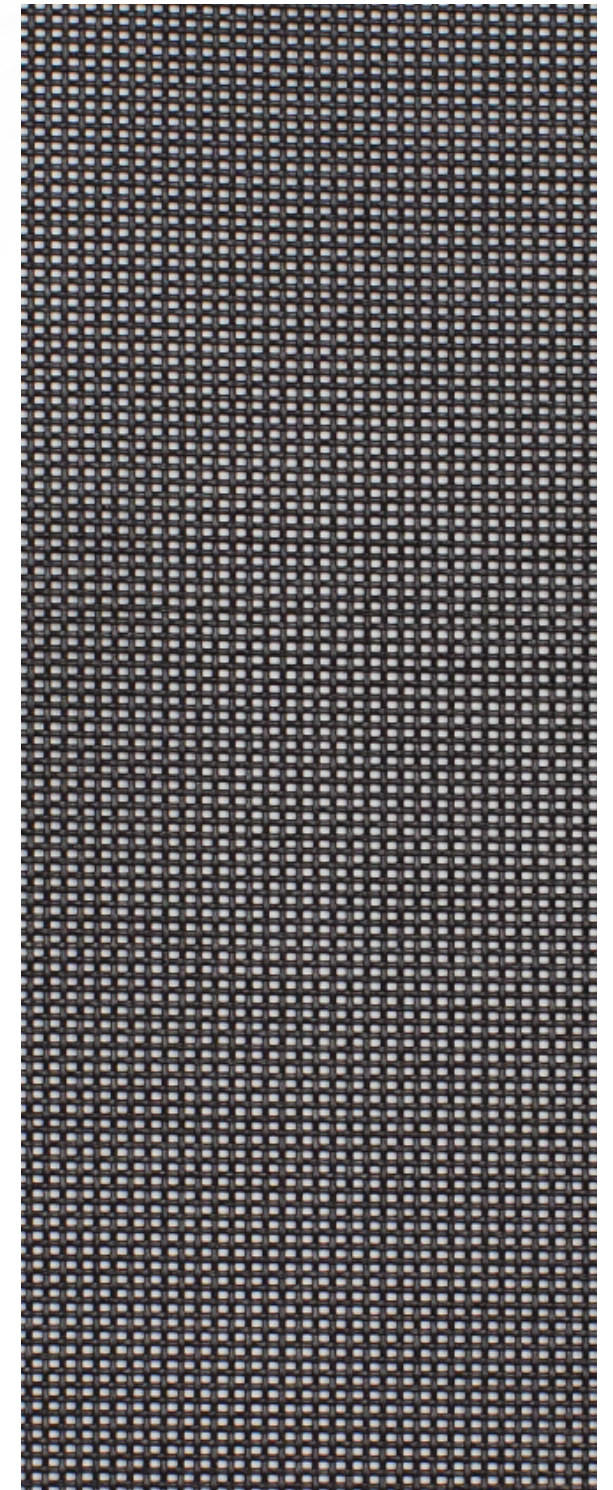
Dusk Grey
T18DCS019 x 36"
T18DCS016 x 48"
T18DCS020 x 60"
T18DCS018 x 72"
T18DCS015 x 96"
T18DCS0126 x 126"

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"