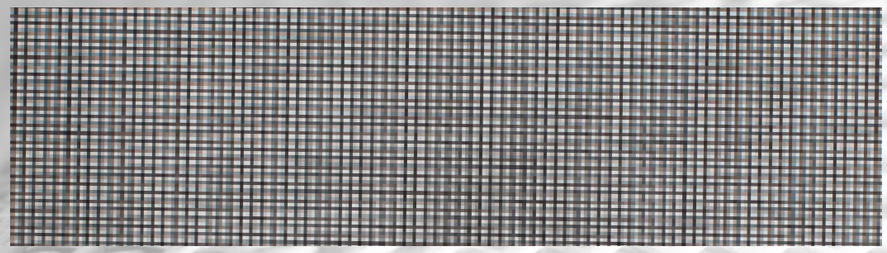
15 Year Warranty

Oct 2026

Twitchell™ Technical Products, LLC

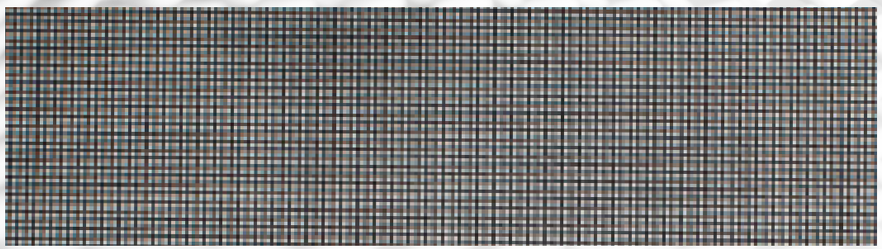
nano™50

17 x 14



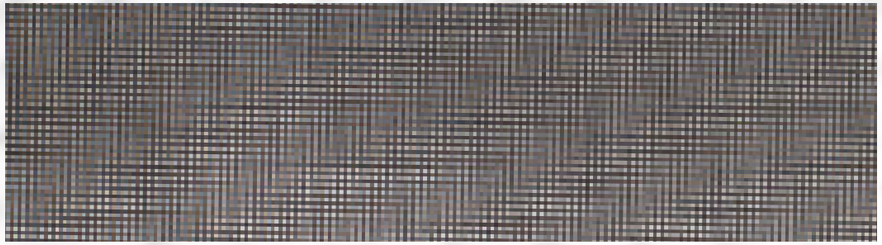
nano™55

17 x 17



nano™60

17 x 20



nano™70 No-See-Ums

23 x 21



MADE IN USA

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

1-800-633-7550 | twitchellcorp.com

nano™50

Product Number: T18FBS | **Roll Length:** 33.3 Linear Yards | **Sun Blockage:** 50%
Product Description: A fabric using .014" diameter vinyl-coated 420 denier polyester core yarn in the warp and fill.

ATTRIBUTE	ASTM	WARP	FILL	TYPICAL
Construction	D3775-12	17.0 ±0.5	14.0 ±0.5	
Weight, oz/yd2	D3776-09			6.1
Weight, g/m2	D3776-09			207
Tensile Strength (grab), lbf	D5034-09	167.7	145.9	
Tensile Strength (strip), lbf	D5035-11	109.0	92.4	
Tear Strength, (Trapezodial), lbf	D5733	38.3	26.1	
Elongation, %	D5035-11	14.0	13.4	
Abrasion Resistances	D3884-09			No exposure of core yarn
Flammability Rating				CA 117-2013, CS 191-53
Weatherability, 1200 hours	G154			Trace discoloration
Mildew Resistance	G21-13			No Growth
Thickness, inches	D1777-96			0.0219

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

nano™55

Product Number: T18FFS | **Roll Length:** 33.3 Linear Yards | **Sun Blockage:** 55%
Product Description: A fabric using .014" diameter vinyl-coated 420 denier polyester core yarn in the warp and fill.

ATTRIBUTE	ASTM	WARP	FILL	TYPICAL
Construction	D3775-12	17.0 ±0.5	17.0 ±0.5	
Weight, oz/yd2	D3776-09			7.3
Weight, g/m2	D3776-09			247
Tensile Strength (grab), lbf	D5034-09	251.2	269.1	
Tensile Strength (strip), lbf	D5035-11	111.6	110.5	
Tear Strength, (Trapezodial), lbf	D5733	36.7	29.5	
Elongation, %	D5035-11	11.4	10.3	
Abrasion Resistances	D3884-09			No exposure of core yarn
Flammability Rating				CA 117-2013, CS 191-53
Weatherability, 1200 hours	G154			Trace discoloration
Mildew Resistance	G21-13			No Growth
Thickness, inches	D1777-96			0.0231

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

nano™60

Product Number: T18FHS | **Roll Length:** 33.3 Linear Yards | **Sun Blockage:** 60%
Product Description: A fabric using .014" diameter vinyl-coated 420 denier polyester core yarn in the warp and fill.

ATTRIBUTE	ASTM	WARP	FILL	TYPICAL
Construction	D3775-12	17.0 ±0.5	20.0 ±0.5	
Weight, oz/yd2	D3776-09			7.8
Weight, g/m2	D3776-09			264
Tensile Strength (grab), lbf	D5034-09	253.2	311.5	
Tensile Strength (strip), lbf	D5035-11	103.9	124.7	
Tear Strength, (Trapezodial), lbf	D5733	36.0	37.9	
Elongation, %	D5035-11	10.6	11.4	
Abrasion Resistances	D3884-09			No exposure of core yarn
Flammability Rating				CA TB 117-2013
Weatherability, 1200 hours	G154			Trace discoloration
Mildew Resistance	G21-13			No Growth
Thickness, inches	D1777-96			0.0217

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

nano™70

Product Number: T18F3 | **Roll Length:** 33.3 Linear Yards | **Sun Blockage:** 70%
Product Description: A fabric using .014" diameter vinyl-coated 420 denier polyester core yarn in the warp and fill.

ATTRIBUTE	ASTM	WARP	FILL	TYPICAL
Construction	D3775-12	23.0 ±0.5	21.0 ±0.5	
Weight, oz/yd2	D3776-09			9.8
Weight, g/m2	D3776-09			332
Tensile Strength (grab), lbf	D5034-09	315.6	321.9	
Tensile Strength (strip), lbf	D5035-11	140.8	138.6	
Tear Strength, (Trapezodial), lbf	D5733	34.6	30.1	
Elongation, %	D5035-11	11.3	11.4	
Abrasion Resistances	D3884-09			No exposure of core yarn
Flammability Rating				CA 117-2013, CS 191-53
Weatherability, 1200 hours	G154			Trace discoloration
Mildew Resistance	G21-13			No Growth
Thickness, inches	D1777-96			0.0219

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

nano™50

T18FBS006 x 36" **T18FBS007** x 48" **T18FBS011** x 60"
T18FBS001 x 72" **T18FBS005** x 84" **T18FBS002** x 96"
T18FBS004 x 108" **T18FBS016** x 120" **T18FBS032** x 126"
T18FBS034 x 144"

nano™55

T18FFS003 x 120" **T18FFS010** x 126"

nano™60

T18FHS008 x 36" **T18FHS001** x 48" **T18FHS009** x 60"
T18FHS006 x 72" **T18FHS010** x 84" **T18FHS002** x 96"
T18FHS005 x 108" **T18FHS003** x 120" **T18FHS022** x 126"

nano™70

T18F3S004 x 36" **T18F3S007** x 48" **T18F3S008** x 60"
T18F3S005 x 72" **T18F3S009** x 84" **T18F3S003** x 96"
T18F3S006 x 108" **T18F3S001** x 126"

nano™50 White
T18FBS015 x 120"

nano™55 White
T18FFS006 x 120"
T18FFS011 x 126"

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.

Fire Classification - CS-191-53, CA-117-2013

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

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

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

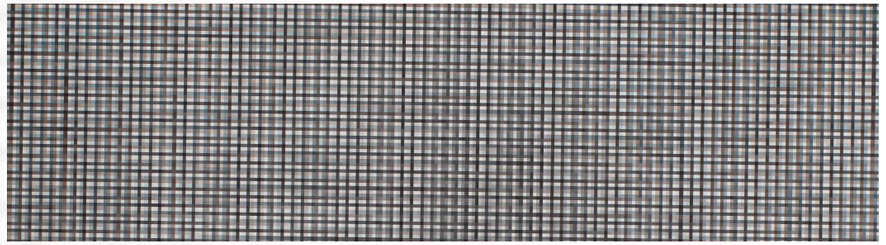
Environmental Certification - GREENGUARD gold certified. Acceptable for use in environments such as schools and healthcare facilities. Complies with requirements of the State of California's Department of Public Health "Standard Method for Testing and Evaluation of Volatile Organic Chemical Emissions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

Warranty - Twitchell Technical Products, LLC produces durable, all weather fabrics that are unmatched for quality and durability. Textilene nano™ 50/55/60/70, brand fabrics are covered by a 15-year limited warranty for fixed & operable shading applications and 3-year limited warranty for all other end uses from the original date of purchase.

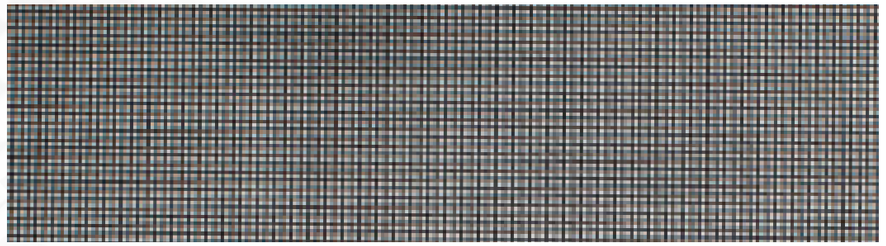
REACH COMPLIANCE · GREENGUARD GOLD · RoHS COMPLIANT · LEAD FREE · ANTIMICROBIAL · FLAME RESISTANT · PRINTABLE · TOY ACT · MADE IN USA · LIMITED WARRANTY

36" = 91.44 cm, 48" = 121.92 cm, 60" = 152.4 cm, 72" = 182.88 cm, 96" = 243.84 cm, 126" = 320.04 cm

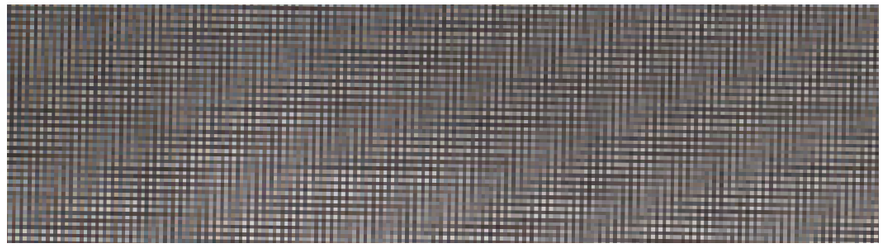
nano™50 — 17 x 14



nano™55 — 17 x 17



nano™60 — 17 x 20



nano™70 No-See-Ums — 23 x 21

