

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: T18FWS, T18FWT

Product Description: A woven fabric using .014" diameter vinyl coated 420 denier polyester core yarns woven in the warp and fill.

Attribute	ASTM	Warp	Fill	Typical
Construction, end/inch	D3775-12	34.0 ±0.5	35.5 ±0.5	
Weight, oz/yd ²	D3776-09			14.6
Weight, g/m ²	D3776-09			495.0
Tensile Strength (grab), lbf / daN	D5034-09	499.5 / 222.2	367.8 / 163.6	
Tensile Strength (strip), lbf / daN	D5035-11	192.6 / 85.7	197.5 / 87.9	
Tear Strength (trapezoidal), lbf / daN	D5733	58.0 / 25.8	52.3 / 23.3	
Elongation, %	D5035-11	10.6	13.8	
Abrasion Resistance <small>(CS10/500 cycles/ with no added weight)</small>	D3884-09	No Exposure of Core Yarn		
Flammability Rating		CA Title 19 & NFPA 701		
Weatherability, 1200 hours	G154	Trace Discoloration		
Mildew Resistance	G21-13	No Growth		
Thickness, inches/mm	D1777-96	0.0308 / 0.7823		

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

Solar Heat Control Properties for Twitchell Technical Products, LLC
Shade Fabric Interior Use at 0 Degree Profile Angle

Description	Color	Ts	Rs	As	Tv	Rv	Av	Tuv	O-F
Nano 97 Twill	Charcoal	6	6	88	8	5	87	5	4

SC (Single Glass)		
1/8" Cl.	1/4" Cl.	1/4" H.A.
0.73	0.69	0.50