

UVtex

抗UV户外遮阳面料
UV-Resistant Outdoor Sunshading Fabric

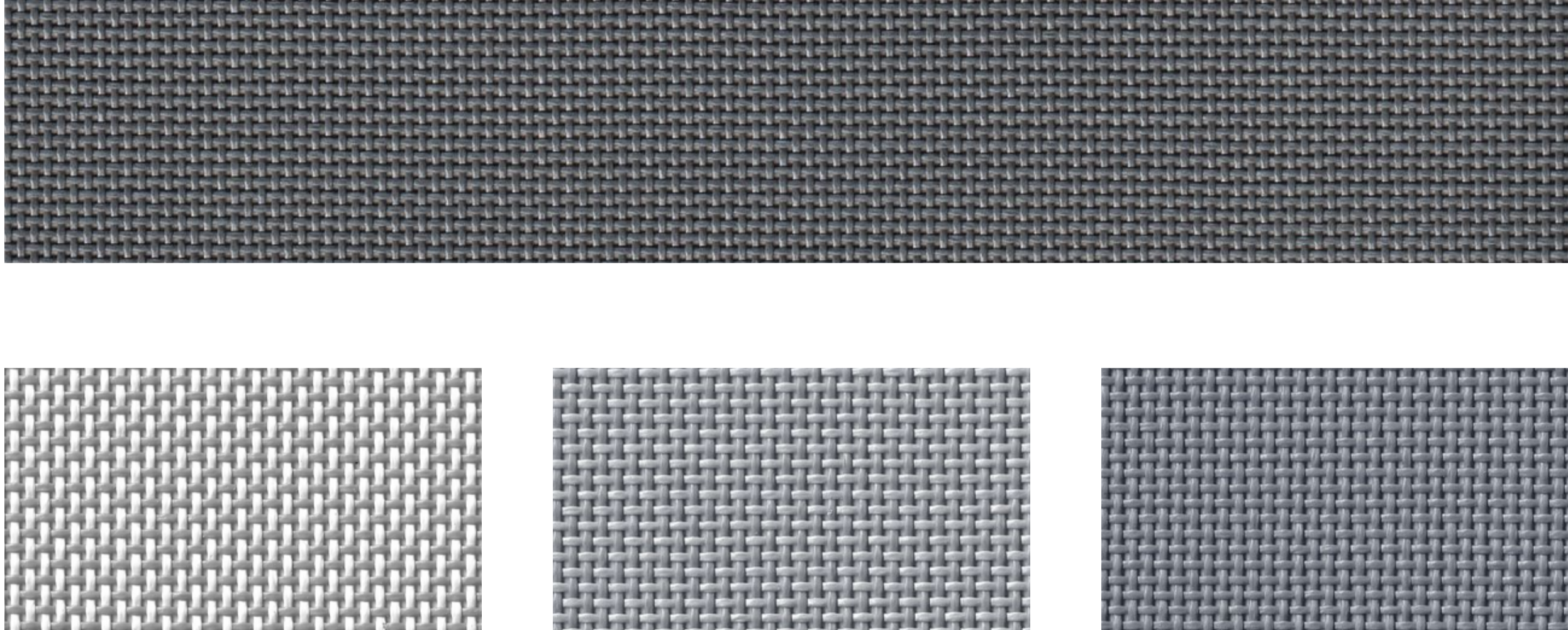
>1500h Accelerated Weathering Test (>1500h加速老化实验)



SUNDOO SC-UV5 抢先版 PREVIEW EDITION



SC-UV5



SC-UV5-2001 SC-UV5-2002 SC-UV5-2003

SC-UV5-2004 SC-UV5-2005 SC-UV5-2006

SC-UV5-2007 SC-UV5-2008 SC-UV5-2009

SC-UV5-2010

超强抗UV性能 UVtex Fabric Superior UV Resistance

UVtex系列，采用专研抗老化强化配方与尖端紫外线稳定技术，构筑长效防护体系，顺利通过美国ASTM G154标准1500小时加速老化测试。这意味着在模拟长达数年的极端户外暴晒后，面料依然：

色彩保持率超群：艳丽如初，抗褪色等级远超行业水平。
物理性能稳定：强度与韧性衰减率低，抗撕裂、耐拉伸，无惧风雨。

The UVtex series utilizes a patented anti-aging reinforcement formula and advanced UV stabilization technology to build a long-lasting protection system. It successfully passes the ASTM G154 standard 1500-hour accelerated weathering test. This means that after simulating years of extreme outdoor exposure, the fabric still maintains:

Outstanding color retention: Vibrant as new, fade resistance far exceeds industry standards.
Stable Physical Properties: Extremely low rates of strength and toughness loss, resistant to tearing, stretching, wind, and rain.



普通面料 For the Standard Fabric
紫外线(UV)直接穿透面料核心或仅部分反射，会对面料纤维的分子链造成持续破坏，从而使面料发生褪色、老化等现象。

UV penetrate the fabric core directly or are only partially reflected, causing continuous damage to the molecular chains of the fabric fibers, leading to fading, aging, etc.

UVtex
独特配方+采用“紫外线吸收剂”，除了能反射紫外线(UV)，其内部分子结构能主动捕获紫外线光子，并转化为热能，防止材料光老化等现象，针对户外场景研发。

Unique formula + incorporation of "UV absorbers". Besides reflecting UV rays, its internal molecular structure actively captures UV photons and converts them into heat, preventing material photo-aging. Developed specifically for outdoor scenarios.

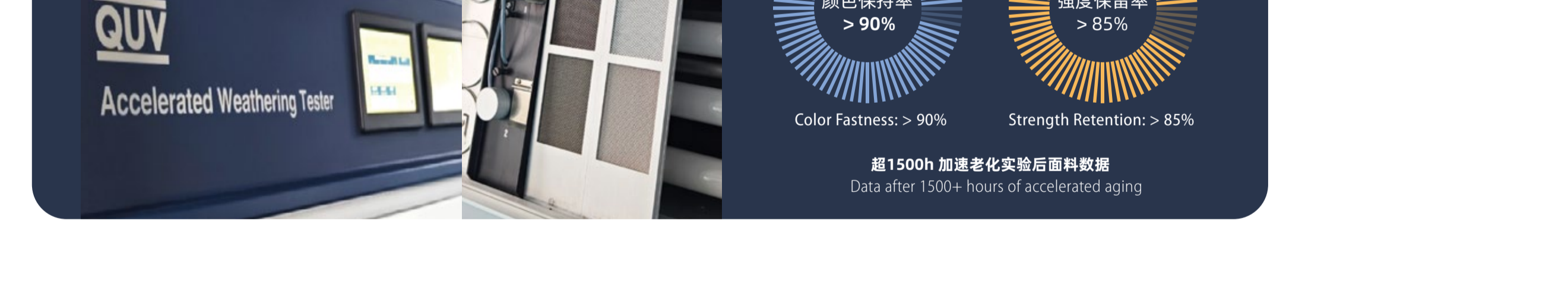
AATCC/TM186: 超1500h 加速老化实验 Over 1500h Accelerated Weathering Test >1500h

AATCC / TM186 是什么?
本测试方法提供了对于多种纺织材料，包括涂层织物和涂层产品，在使用荧光紫外线灯作为光源，冷凝湿度或水喷淋作为润湿的实验室人造气候曝光设备下的曝光步骤。

What is AATCC/TM186?
This test method provides exposure procedures for various textile materials, including coated fabrics and products, using fluorescent UV lamps as the light source, and condensation temperature and/or water spray for wetness in laboratory artificial weathering apparatus.

试验中超1500小时意味着什么?
加速性模拟中300小时相当于约一年时间，在测试中面料需在紫外线、高温、冷凝的循环中持续超1500小时，相当于模拟了5年多之后出现的老化效果。

What does exceeding 1500 hours in the test mean?
In this accelerated simulation, 300 hours is roughly equivalent to about one year. In the test, the fabric must endure cycles of UV light, high temperature and condensation for over 1500 hours, equivalent to simulating aging effects after more than 5 years.



实验提供了多个标准化的曝露循环，根据材料最终的使用环境来选择最合适的循环，模拟真实户外严酷场景。一个循环通常是几小时到几天，并无限重复。

The test provides multiple standardized exposure cycles. The most suitable cycle is selected based on the material's intended end-use environment, simulating real outdoor weathering scenarios. A cycle typically lasts from several hours to several days and is repetitive.



抗UV户外产品专用面料 UV-Resistant Outdoor Sunshading Fabric

色牢度 Color Fastness	抗UV UV Resistance	耐极温 Extreme Temperature Resistance	抗菌防霉 Anti-Microbial
8级 ISO-105 B04	>1500h AATCC/TM186	-30°C~70°C	0级 ASTM G21

SC-UV5

Technical properties Standard

Product	产品	SC-UV5	-
Composition	成分	25.4%Polyester + 74.6%PVC	FZ/T 010571-4-2007
Width	幅宽	320, 350cm	DIN EN ISO 2286-1
Thickness	厚度	0.62mm±5%	DIN EN ISO 2286-3
Weight	克重	412g/m²±5%	DIN EN ISO 2286-2
Roll length	卷长	30m	-
Yarn Count	经纬密	22*22	-

Breaking strength	拉伸强度	Warp 1550N/5cm±5% Weft 1600N/5cm±5%	EN ISO 1421 EN ISO 1421
Tear strength	撕裂强度	Warp 102N±5% Weft 98N±5%	DIN 53363 DIN 53363
Stiffness (MG)	刚度		
Elongation	伸长率		
Abraction Resistance	耐磨性		
Weatherability	耐候性	>1500hours	AATCC/TM186

	太阳光谱透射率	太阳光反射率	太阳光吸收率	可见光谱透射率	可见光反射率	紫外透过滤率	紫外阻隔率
	TS	RS	AS	TV	RV	TUV	UVR
SC-UV5-2001	23.75	41.88	34.37	21.42	46.45	18.89	
SC-UV5-2002	22.17	28.22	49.61	19.88	29.22	18.97	
SC-UV5-2003	19.39	18.24	62.37	18.47	19.2	18.13	
SC-UV5-2004	18.52	8.85	72.63	18.22	9.23	18.12	
SC-UV5-2005	21.84	31.04	47.12	20.05	31.25	19.42	
SC-UV5-2006	19.27	19.31	61.42	18.16	19.21	17.74	
SC-UV5-2007	20.20	12.05	67.75	19.49	12.15	19.33	
SC-UV5-2008	20.44	9.55	70.01	19.19	8.38	19	
SC-UV5-2009	19.25	10.12	70.63	18.93	10.7	18.8	
SC-UV5-2010	18.92	3.35	77.73	18.85	3.43	18.92	

Protection 皮肤癌基金会 UVtex exterior shading fabrics are an effective way to reduce harmful UV rays.

Flame retardancy NFPA 701, NFPA 101, Title 19, DIN 4102-1, GB/T 17591 CA TB 117, IBC Section 803.11, UBC, BS 5867 2008, CAN/ULC-S109-03

Eco friendly REACH, OKEA 100, RoHS GREENGUARD, Children's Toy Act 《儿童玩具法案》

Mildew Resistance ASTM E 2180, ASTM G21

The technical data above are averaged values with a +/-5% tolerance.

