



UVtex

UV-Resistant Outdoor Sunshading Fabric

SC-UV1

Openness Factor 1% 5%



>1500h 加速老化实验 Accelerated Weathering Test

10 YEARS LIMITED WARRANTY

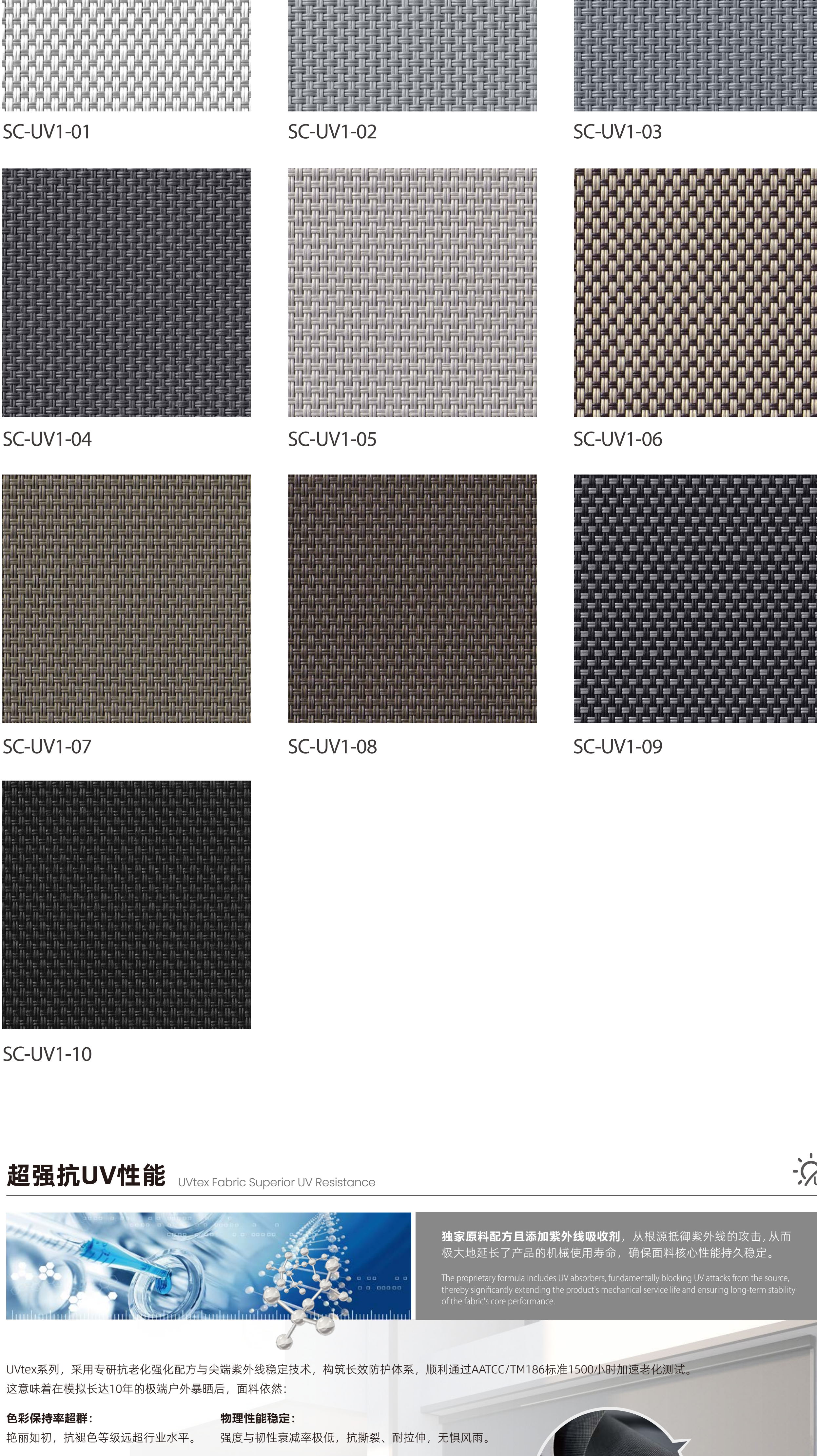
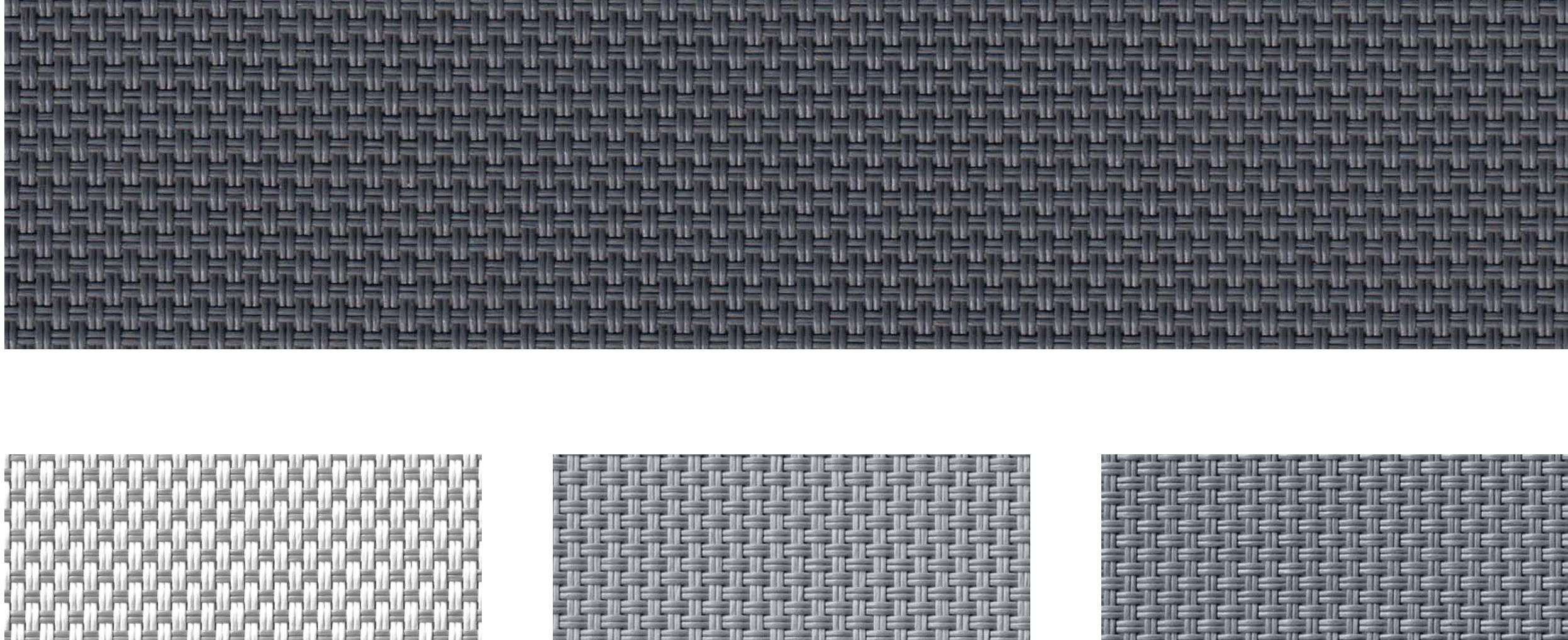


UVtex | 抗UV户外遮阳面料

UV-Resistant Outdoor Sunshading Fabric

SC-UV1

1% 5% Openness Factor



超强抗UV性能 UVTEX Fabric Superior UV Resistance

UVtex系列, 采用专研抗老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AATCC/TM186标准1500小时加速老化测试。这意味着在模拟长达10年的极端户外暴晒后, 面料依然:

色彩保持率超群: 艳丽如初, 抗褪色等级远超过行业水平。
物理性能稳定: 强度与韧性衰减速率极低, 抗撕裂、耐拉伸, 不惧风雨。

独家原料配方且添加紫外线吸收剂, 从根本上抵御紫外线的攻击, 从而极大地延长了产品的机械使用寿命, 确保面料核心性能持久稳定。

The proprietary formula includes UV Absorbers. Endemically blocking UV attacks from the source, thereby significantly extending the product's mechanical service life and ensuring long-term stability of the fabric's core performance.

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 AATCC/TM186 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.

UV penetrates 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.

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。

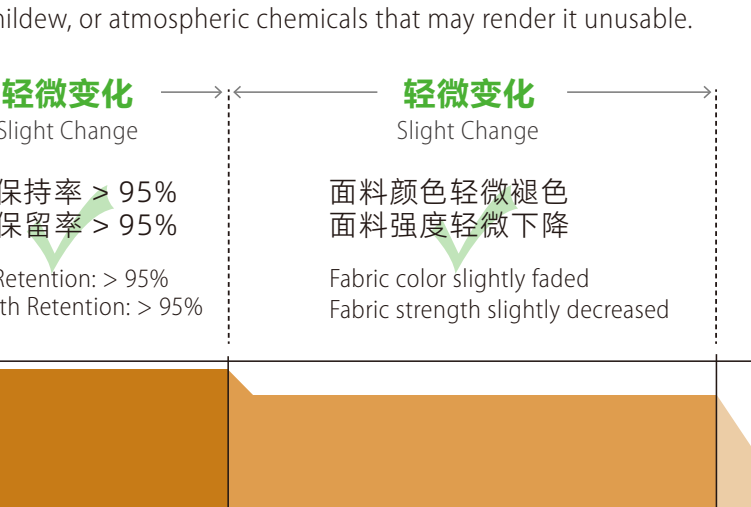
Unique formula + incorporation of "UV absorbers." Besides reflecting UV rays, its internal molecular structure actively captures UV photons and converts them into heat, preventing material photo-aging. Developed specifically for outdoor scenarios.

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, 使用荧光紫外灯作为光源, 冷凝湿度或水喷淋作为加湿的实验室人造气候曝晒设备下的曝晒步骤。

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.



超1500h加速老化实验, 面料10年有限质保 Over 1500h Accelerated Aging Test | 10-Year Limited Fabric Warranty

UVTEX面料具备非凡的抗晒耐用性, 自原始购买之日起享有10年的有限质保, 质保范围包括工艺和材料缺陷、正常暴露条件下颜色或强度过度损失, 包括阳光、腐蚀、霉菌或可能使其无法使用的大气化学物质。

UVTEX fabric has exceptional sun resistance and durability. It comes with a 10-year limited warranty from the original date of purchase, covering defects in workmanship and materials, as well as excessive color or strength loss under normal exposure conditions, including sunlight, rot, mildew, or atmospheric chemicals that may render it unusable.



实验提供了多个标准化的曝晒循环, 根据材料最终的使用环境选择最合适的循环, 模拟真实户外严苛场景。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.



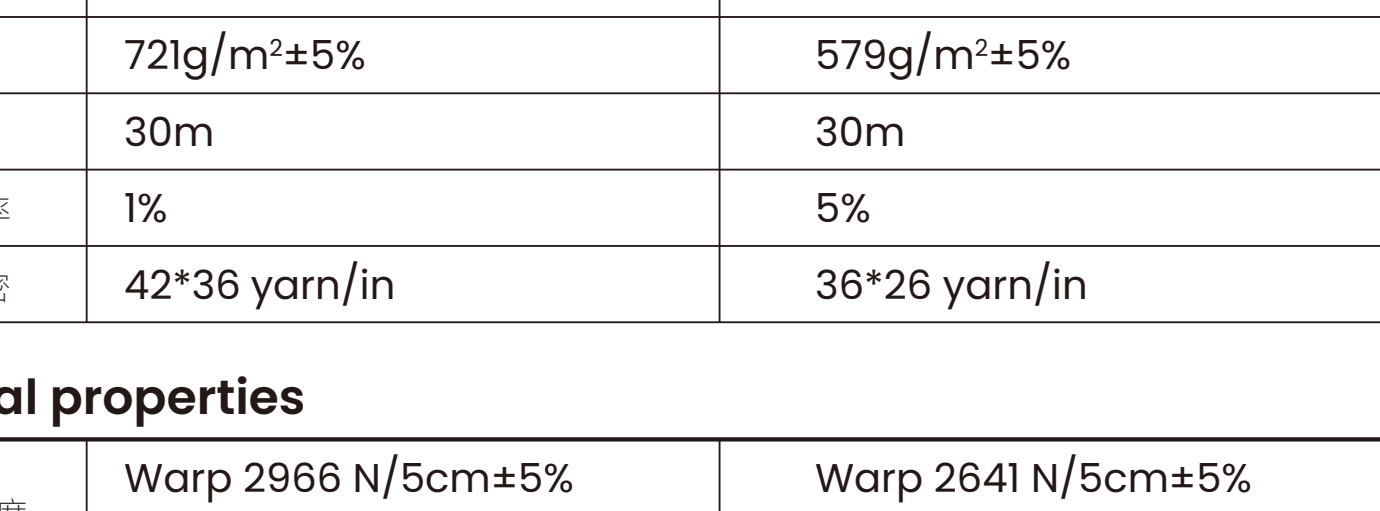
全球同品类 抗UV户外面料其他性能参数对比

Global Comparison of Other Performance Parameters

性能指标 Performance Index	标准 Standard	美国 T 面料 Fabric from America company T	美国 P 面料 Fabric from America company P	UVTEX
防火阻燃 Flame retardancy	GB/T 17591	✓	✓	✓
	DIN4102-1 B1	✓	✓	✓
健康环保 Eco friendly	NFPA701	✓	✓	✓
	OEKO-TEX 100	✓	✓	✓
抗菌防霉 Moldproof and Antibacterial	GREENGUARD	✓	✓	✓
	US California Proposition 65 - phthalate content	✓	✓	✓
抗UV UV Resistance	ASTM E 2180	0级 Class 0	0级 Class 0	0级 Class 0
	ASTM G21	0级 Class 0	0级 Class 0	0级 Class 0
抗UV UV Resistance	AATCC/TM186	1200 h	未知 unknown	> 1500 h

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 Moldproof and Antibacterial	防火阻燃 Flame retardancy
≥7	> 1500h	-30°C~70°C	0级 Class 0	GB/T 17591 DIN EN ISO 2286-1 NFPA701
ISO-105 B04	AATCC/TM186		ASTM G21	



SC-UV1

1% 5% Openness Factor

Technical properties		Standard				
Product 产品	SC-UV1-1%	SC-UV1-5%	-			
Composition 成分	25.4%Polyester + 74.6%PVC	25.4%Polyester + 74.6%PVC	FZ/T 01057.1-4-2007			
Width 幅宽	320、350cm	320、350cm	DIN EN ISO 2286-1			
Thickness 厚度	0.90mm±5%	0.89mm±5%	DIN EN ISO 2286-3			
Weight 克重	721g/m²±5%	579g/m²±5%	DIN EN ISO 2286-2			
Roll length 卷长	30m	30m	-			
Openness factor 开口率	1%	5%	-			
Yarn Count 经纬密	42*36 yarn/in	36*26 yarn/in	-			
Physical properties						
Breaking strength 拉伸强度	Warp 2966 N/5cm±5%	Warp 2641 N/5cm±5%	EN ISO 1421			
	Weft 2613 N/5cm±5%	Weft 1987 N/5cm±5%	EN ISO 1421			
Tear strength 撕裂强度	Warp 135N±5%	Warp 147N±5%	DIN 53363			
	Weft 98N±5%	Weft 105N±5%	DIN 53363			
Weatherability 耐候性	>1500hours	>1500hours	AATCC/TM186			
Solar optical values						
	太阳光透射率 TS	太阳光反射率 RS	太阳光吸收率 AS	可见光透射率 TV	可见光反射率 RV	紫外光透射率 UV
SC-UV1-102	3.08	55.3	41.62	1.61	62.11	0.12
SC-UV1-102	1.32	31.11	67.57	0.31	32.64	0.24
SC-UV1-103	0.43	20.23	79.34	0.16	21.88	0.15
SC-UV1-104	0.44	9.8	89.76	0.36	10.25	0.23
SC-UV1-105	1.06	35.82	63.12	0.32	36.47	0.28
SC-UV1-106	0.85	25.38	73.77	0.26	25.40	0.21
SC-UV1-107	0.27	12.86	86.87	0.1	13.3	0.11
SC-UV1-108	0.41	10.11	89.48	0.1	9.26	0.10
SC-UV1-109	0.11	9.47	90.42	0.1	10.18	0.1
SC-UV1-110	0.21	3.53	96.26	0.21	3.64	0.21
SC-UV1-501	9.72	54.44	35.84	7.64	60.54	4.84
SC-UV1-502	7.23	30.55	62.66	5.42	31.73	5.1
SC-UV1-503	7.19	20.1	72.71	6.55	21.1	6.38
SC-UV1-504	5.4	9.74	84.86	5.03	10	5.08
SC-UV1-505	6.48	35.27	58.25	5	35.32	4.83
SC-UV1-506	6.59	25.49	67.92	5.19	24.75	4.89
SC-UV1-507	5.22	13.56	81.22	4.71	13.62	4.57
SC-UV1-508	5.82	10.61	83.57	5	9.25	4.94
SC-UV1-509	4.78	9.32	85.9	4.73	9.87	4.79
SC-UV1-510	5.84	3.63	90.53	5.8	3.71	5.81
Color fastness 色牢度	ISO 105 B02 ≥7 ISO 105 B04 ≥7 AATCC TM186 1500H 4-5级					
Flame retardancy						
Flame retardancy 防火/阻燃性	NFPA 701 DIN 4102-1 B1 GB/T 17591-2025 B2					
Eco friendly						
Eco friendly 健康环保	REACH OEKO-TEX 100 GREENGUARD US California Proposition 65- phthalate content					
Moldproof and Antibacterial 抗菌防霉	ASTM E 2180 ASTM G21					

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

