

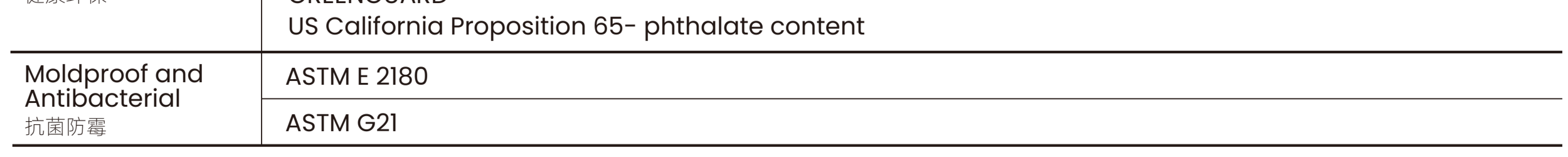
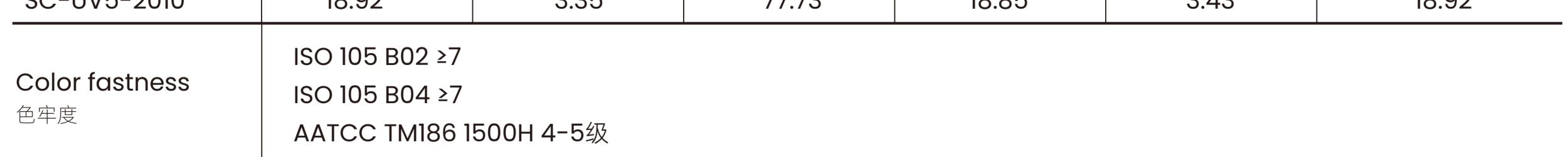
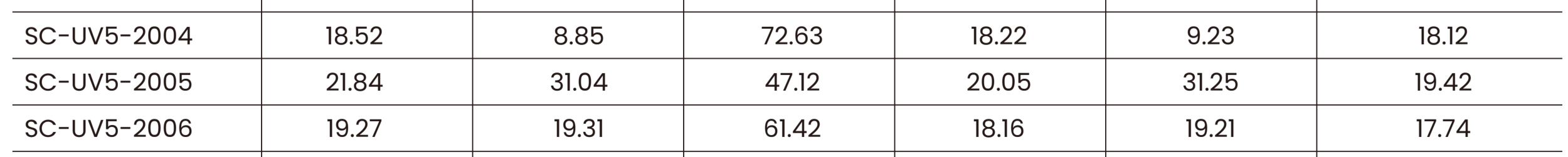
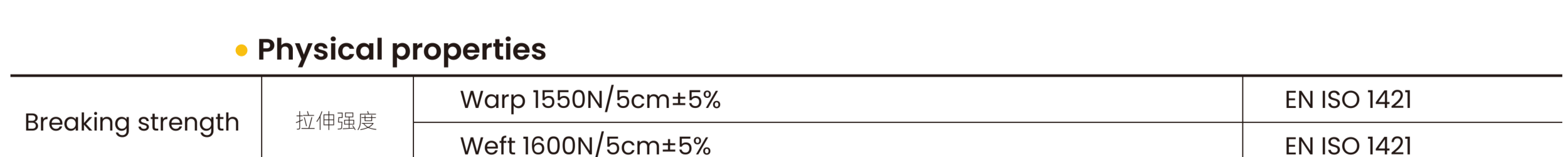
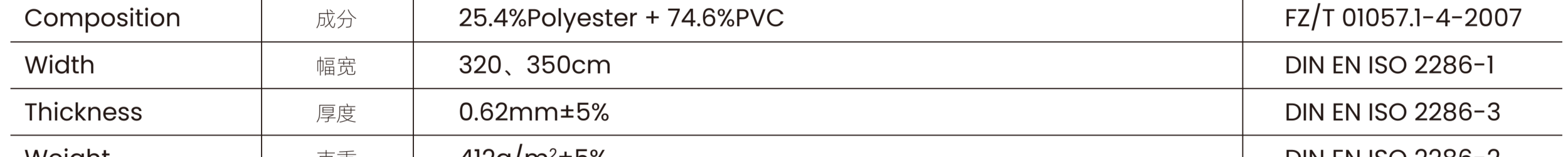
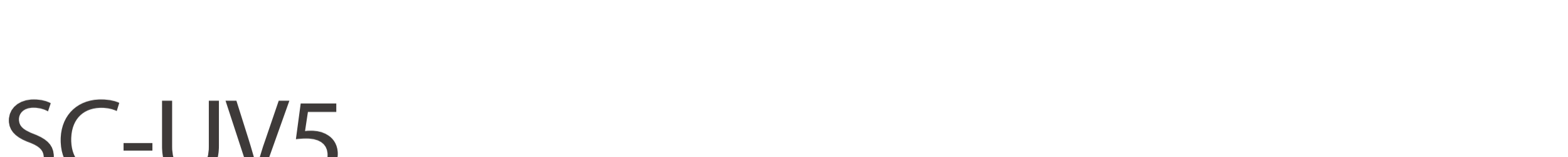
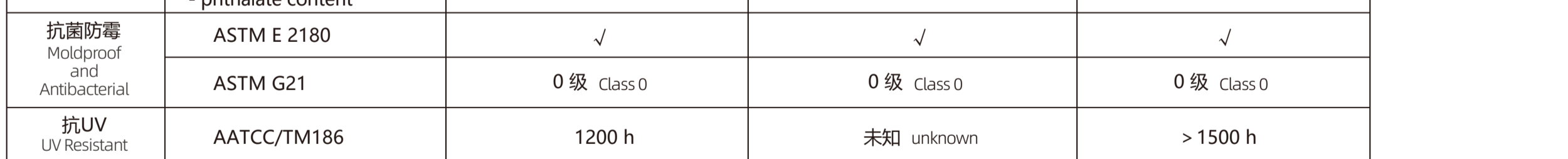
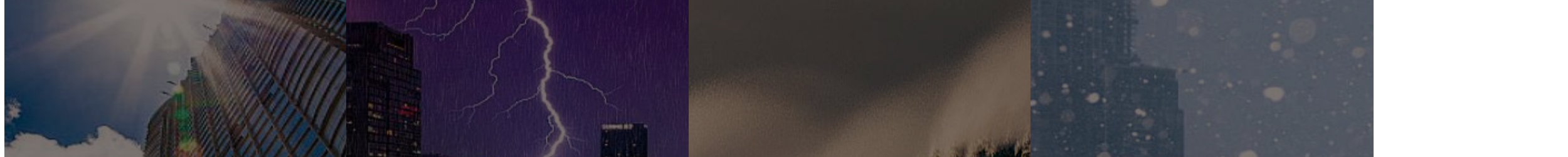
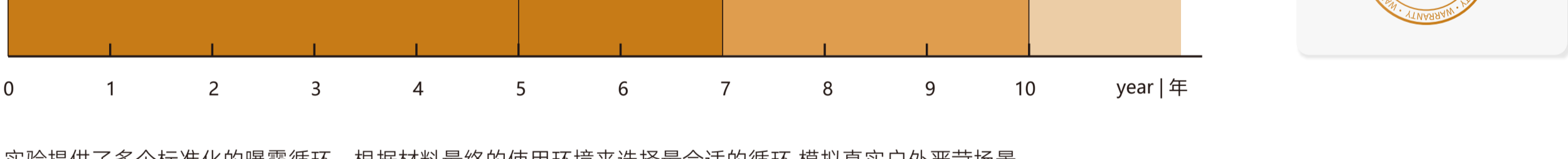
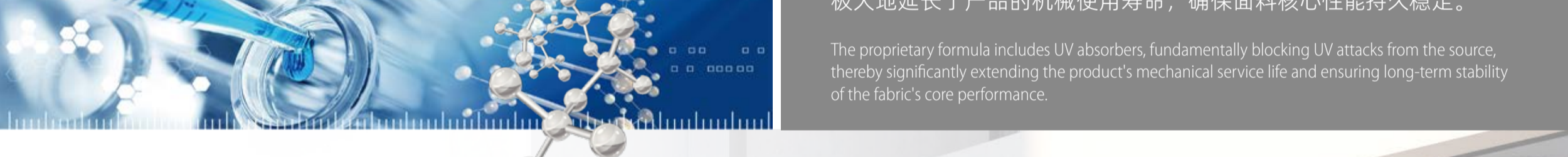
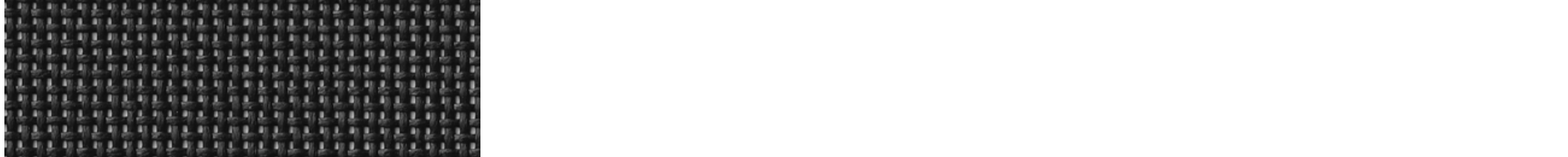
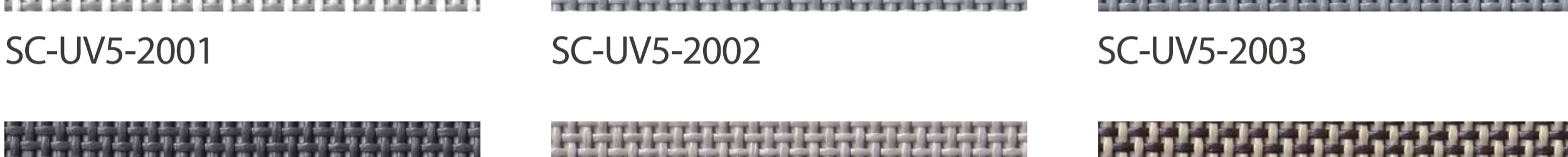
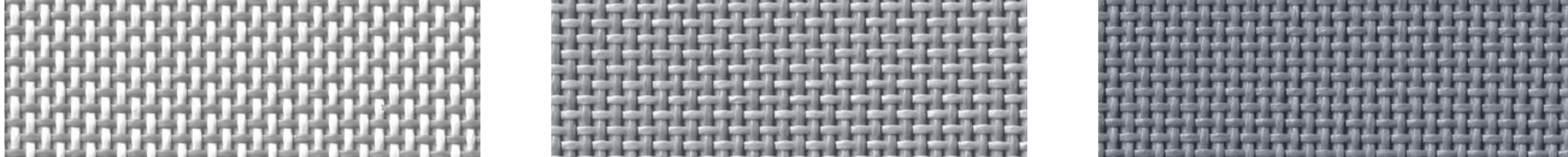
UVtex

UV-Resistant Outdoor Sunshading Fabric

SC-UV5



SC-UV5



超强抗UV性能 UVtex Fabric Superior UV Resistance



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。

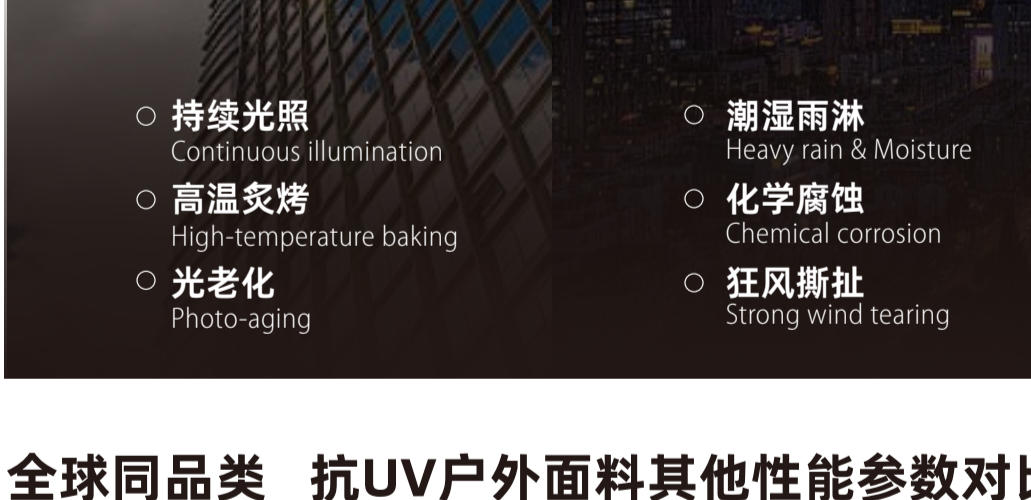
UVtex系列，采用专研抗老化强化配方与尖端紫外线稳定技术，构筑长效防护体系，顺利通过AATCC/TM186标准1500小时加速老化测试。这意味着在模拟长达10年的户外暴晒后，面料依然：

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：** 强度与韧性衰减率极低，抗撕裂、耐拉伸，不惧风雨。

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 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.



PK



普通面料 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 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.

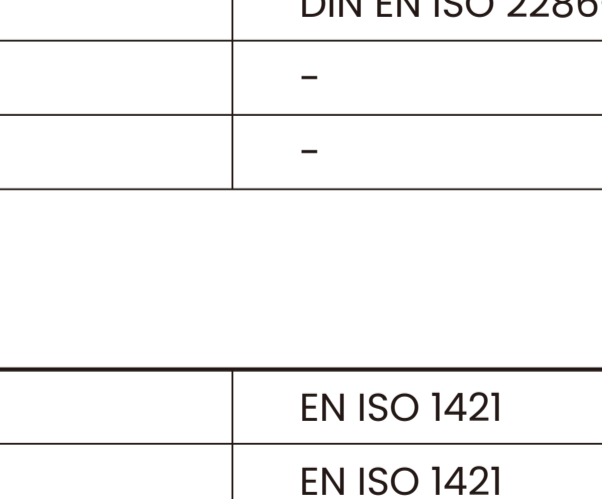
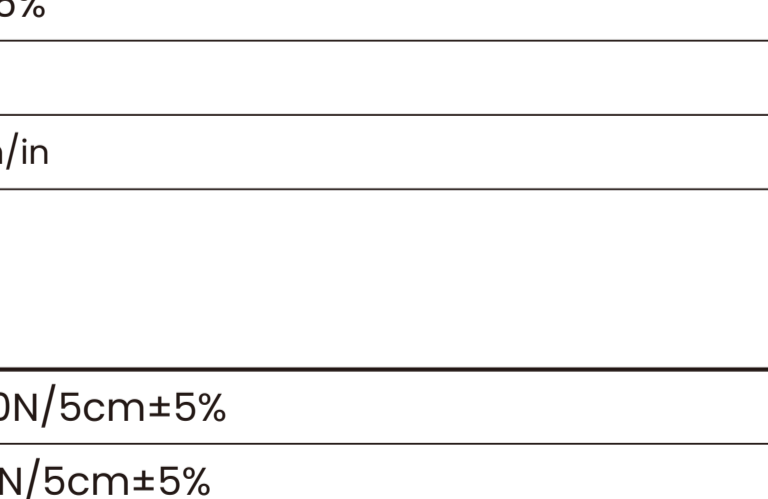
UVtex
独特配方+采用“紫外线吸收剂”，除了能反射紫外线(UV)，其内部分子结构能主动捕获紫外线光子，并转化为热能，防止材料光老化等现象，针对户外场景研发。

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

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

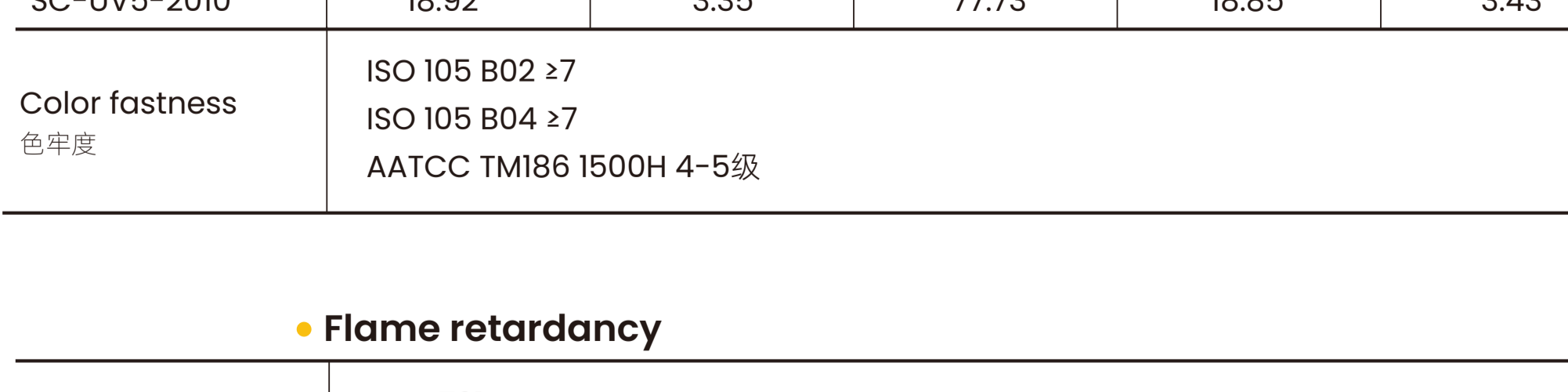
What is AATCC/TM186?
This test method provides exposure procedures for various textile materials, including coated fabrics and products, using fluorescent UV lamps as the light source, and condensation temperature and/or water spray for wetness in laboratory artificial weathering apparatus.



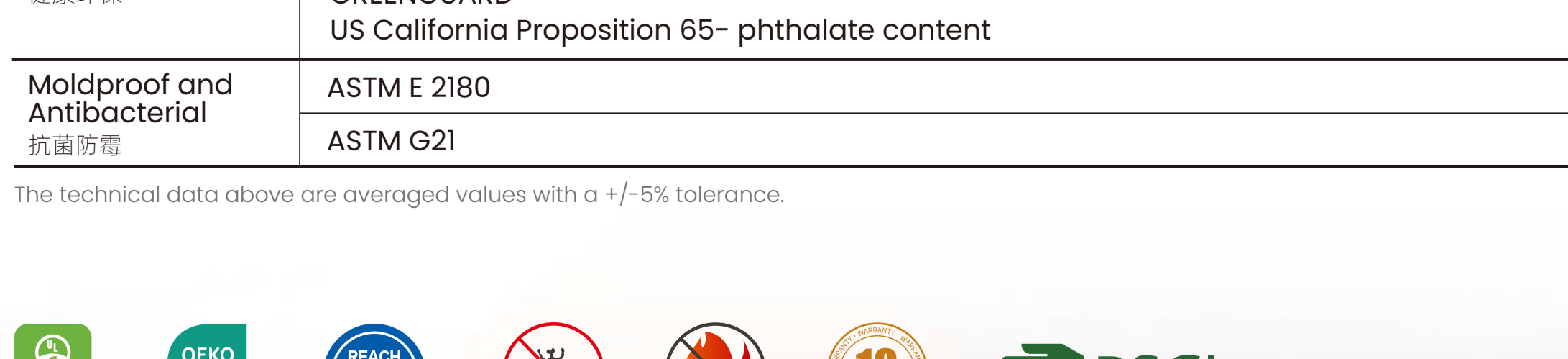
超1500h加速老化实验,面料10年有限质保 Over 1500h Accelerated Aging Test | 10-Year Limited Fabric Warranty

UVtex面料具备非凡的抗日晒耐用性，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，正常暴露条件下的颜色或强度过度损失，包括阳光、腐烂、霉菌或可能使其无法使用的大气化学物质。

UVtex fabric possesses 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来选择最合适的循环，模拟真实户外严酷场景。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.



全球同类 抗UV户外面料其他性能参数对比 Global Comparison of Other Performance Parameters

性能项目 Performance	标准 Standard	美国1面料 Fabric from American company T	美国P面料 Fabric from American company P	UVtex
防火阻燃 Flame retardancy	GB/T 17591 DIN4102-1 B1	✓	✓	✓
健康环保 Eco-friendly	NFPA701 REACH OEKO-TEX 100 GREENGUARD US California Proposition 65 - phthalate content	✓	✓	✓
抗菌防霉 Moldproof and Antibacterial	ASTM E 2180 ASTM G21	0级 Class 0	0级 Class 0	0级 Class 0
抗UV UV Resistant	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	耐低温 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 DIN4102-1 B1 NFPA701
ISO-105 B04	AATCC/TM186		ASTM G21	

SC-UV5

Technical properties

Product	产品	SC-UV5	-
Composition	成分	25.4% Polyester + 74.6% PVC	FZ/T 01051-4-2007
Width	幅宽	320, 350cm	DIN EN ISO 2286-1
Thickness	厚度	0.62mm±5%	DIN EN ISO 2286-3
Weight	重量	412g/m²±5%	DIN EN ISO 2286-2
Roll length	卷长	30m	-
Yarn Count	经纬密	22*22 yarn/in	-

Standard

Breaking strength	拉伸强度	Warp 1550N/5cm±5% Weft 1600N/5cm±5%	EN ISO 1421
Tear strength	撕裂强度	Warp 102N±5% Weft 98N±5%	EN ISO 1421 DIN 53363 DIN 53363
Weatherability	耐候性	> 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	紫外线透射率
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

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
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Eco-friendly

Eco friendly 健康环保	REACH OEKO-TEX 100 GREENGUARD US California Proposition 65 - phthalate content
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Moldproof and Antibacterial 抗菌防霉	ASTM E 2180 ASTM G21
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The technical data above are averaged values with a +/-5% tolerance.

