

YUMA SUNCOOL

Functional high quality sunscreen fabric

ANITE

SUNCOOL IS SELECTED FOR MAJOR PROJECTS



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FUNCTIONALITY:

① Super fireproof and flame retardant, challenging all global fire certification.
② Super sun resistance and aging resistance.
③ Super health and environmental protection.
④ SUNCOOL sunscreen fabric can purify the air - the world's first.

HIGH-QUALITY:

① Good flatness.

- ② High dimensional stability.
- ③ Grade A quality standard for small yellow hat.
- ④ Packaging is also part of quality.



Super fireproof and flame retardant, challenging all global fire certification

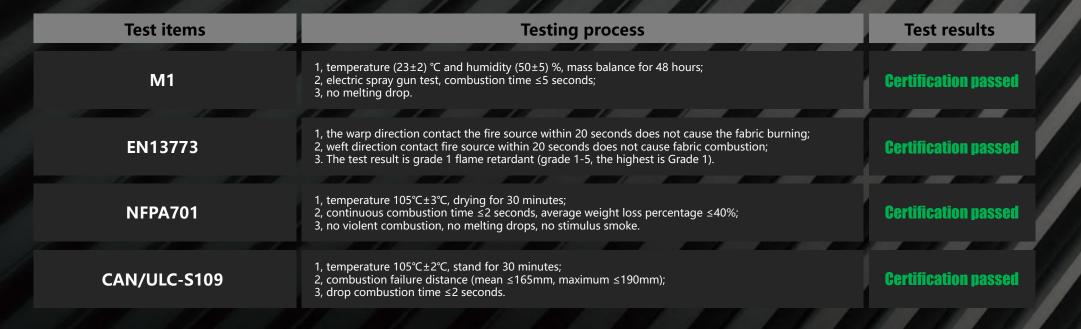
The global supply chain purchases fire and flame retardant additives, and the laboratory adopts specific formula to ensure that Senku fabric has super fire and flame retardant performance. SUNCOOL sunshine fabric has passed the national standard B1 (GB8624 oxygen index test and GB/T17591 vertical combustion method). It will self extinguish without flame spread and protect your life and property. At the same time, American Standard nfpa701, Canadian can / ulc-s109, French standard M1 and other global authoritative fire protection

certifications can meet the fire protection requirements of public buildings in Asia, Europe, the United States and other countries and regions.

Test items	Testing process	Test results
GB20286	1, oxygen index ≥32%; 2, continuous combustion time ≤5 seconds, smouldering time ≤5 seconds, damage length ≤150mm; 3, burning dripping did not cause cotton burning or smouldering; 4, Smoke density grade (SDR) ≤15; 5, Toxicity level of smoke production is not lower than ZA2 level.	Certification passed
GB8624	1, Oxygen index: 32%; 2, continuous burning time ≤5 seconds, smouldering time ≤15 seconds, damage length ≤150mm; 3, burning dripping did not cause cotton burning or smouldering.	Certification passed
GB/T17591	Continuous burning time \leq 5 seconds, smouldering time \leq 5 seconds, damage length \leq 150mm	Certification passed



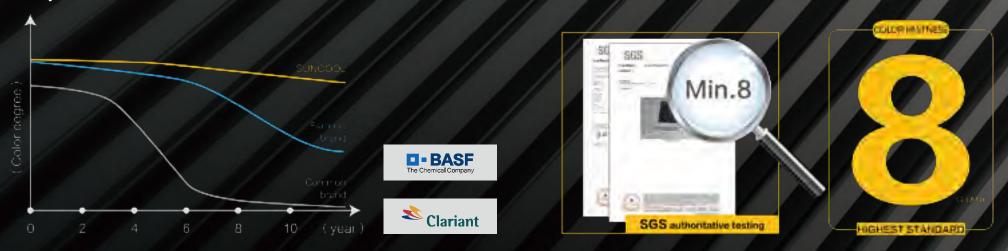
Super fireproof and flame retardant, challenging all global fire certification





Super sun resistance and aging resistance

High color fastness to light: it adopts the imported toner from BASF of Germany and Clariant of Switzerland, which has high color, good antioxidant performance and is not easy to fade. Tested by SGS, an international authority, The color fastness of SUNCOOL sunscreen fabric reaches grade 8 of the national standard to ensure that the fabric will not fade for 8-10 years.





Super sun resistance and aging resistance

Durable and anti-aging: BASF anti-aging additive imported from Japan and titanium dioxide R type imported from Japan. Listed enterprises purchase high-quality native PVC, which has super ultraviolet resistance, heat resistance and weather resistance. The laboratory ultraviolet aging test shows that SUNCOOL sunscreen fabric can delay the aging phenomena such as color decline, fading, solid pulverization and mechanical strength decline caused by ultraviolet irradiation. Ensure that the service life of the fabric is up to 24 years.



Experiment location: Dunhuang, Gansu Province. Experimental temperature: 70°C±5 Environmental characteristics: dry climate, strong ultraviolet radiation, large temperature difference between day and night. Test results: no aging, cracking and powder phenomenon.

> Experiment location: Sanya, Hainan Province. Experimental temperature: 70°C±5 Environmental characteristics: Low latitude, tropical Marine climate, wet. Test results: no aging, cracking and powder phenomenon.



Super health and environmental protection

Authoritative certification: SUNCOOL sunscreen fabric has passed the following certification at one time: Gold certification of UL company (GRREEN GUARD, INDOOR AIR QUALITY CERTIFICATION) STANDARD 100 by OEKO-TEX、

Ten ring certification

ASTM G21 (determination of fungal resistance of synthetic polymer materials) ASTM E2149 (Standard Test Method for determining the antibacterial activity of fixed antibacterial agents under dynamic contact conditions)

Reach certification (regulations on registration, evaluation, licensing and restriction of chemicals) GB/T20944.



The antibacterial performance test of textiles has reached the highest level, fundamentally controlling the volatile substances such as phthalic acid, aromatic hydrocarbon, SVHC (substances of high concern), pH value, TVOC, free formaldehyde and heavy metals, so as to ensure the health and environmental protection of YUMA SUNCOOL sunscreen fabric.



Super health and environmental protection



SUNCOOL sunscreen fabric that can purify the air - the world's first

Yuma SUNCOOL purified air series takes zeolite, a safe material recognized by FDA of the United States, as the raw material, and the modified zeolite and formaldehyde removal solution jointly developed with the Korean National Research Institute, which are mixed in SUNCOOL sunscreen fabric.

More thorough adsorption of indoor free formaldehyde, ammonia and benzene; By adding unique formaldehyde removal solution, the harmful gases such as free formaldehyde, TVOC, ammonia and benzene in the indoor air can be decomposed twice, and the indoor air purification rate can reach more than 85%.

Authoritative certification: the air purification effect has been tested and certified by Guangzhou microbiological analysis and testing center and KCL authority in Korea.



SUNCOOL sunscreen fabric that can purify the air - the world's first

Zeolite

Zoottes, a mean at centred by the U.S. food and drug adjunction that is filled with Key pones, with 1 cubic microir of 1 million numbers pones, printile that a huge is a folge and a supervision if for annal of a football field, is the workful most wedge used service and





Zeolite microorystalline tables is through paired alter-name-level microorystallin from the zeolite and attached to tweller factors to pulling the pir. This technology was developed by us with the KTEDTH in Konvel, and has now twee successfully applied to product. The confliction falls of Microful substances in (index) all is more than 90%.





Finitume downood two costs creates with th TECH in Renal. But an more lakes for the non-cost instance of viscosite social scales on the air and teach men require and unders poses, which greatly inclusion the transfer of hermital gas an experience.

The double harmonymes rule gravity improve the efficacy strategy are purformer muscle more scenary developed as purformer away.





KCL testing

Ammonia removal rate 92.1% Formaldehyde removal rate 88.2%

SUN COOI 玉马森酷 苛求品质

Continue to remove formaldehyde in the medium term.

Gmicro testing

Ammonia removal rate 83.9% Formaldehyde removal rate 83.3%



GOOD FLATNESS

SUNCOOL fabric has good flatness, full-width test without cupping, no loose edge, no wavy face. Suitable for the need of full-width, good visual effects and beautiful decoration.

SUNCOOL fabric has no problem with flatness when the width is 3 meters and the height is 10 meters after testing.







HIGH STABILITY

With the best raw material and technique to ensure that the product size is constant and low shrinkage. Not affected by temperature changes or climate anomalies and so on.

In the sun exposure, repeated use of the environment is not deformed, not distorted, stable quality, long life, and high customer satisfaction.





A-LEVEL QUALITY STANDARD WITH LITTLE YALLOW HAT

As the A-level quality standard mark of Yuma SUNCOOL, the little yellow hat is highly recognizable.

Yuma SUNCOOL is highly emphasized on quality. The A-level quality standard is much higher than the average level in the market. It is recognized as synonymous with high standards and strict requirements in the industry.

The quality report sheet is attached to track the condition of the fabric and improve the utilization rate.





UNIQUE PACKAGE

The unique innovative packaging method, the internal shock-isolating layer design, and the standard paper tube packaging ensure that there is no indentation and deformation problems during the transportation and storage of the fabric. The unified little yellow hat packaging meets product circulation, sales and consumers requirmments with applicability, reliability, safety and durability. Ensure product quality and continuously improve customer satisfaction.





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ILL AUNE

CREATING NEW VALUE

SUNCOOL has many of the world' s engineers, using the best raw materials at home and abroad, equipped with the most advanced Taiwan granulator, German constant tension coating winding system, German DORNIER loom and automatic constant tension setting equipment; special treatment process, strict quality control team and multi pass inspectiom process ensure that SUNCOOL fabrics have good performance and stable quality.



I SUNCOOL R&D CENTER:

Established R&D center, international innovation team, and equipped with the most advanced R&D and testing equipment, which includes new materials and pattern innovation R&D laboratory, precision textile research laboratory, formaldehyde detection, color fastness, fabric fire grade testing room, etc.

SUNCOOL always focuses on "demanding quality" and provides "first-class products and services" for the industry, creating new value for customers.





INNOVAT VE DESIGN OF PATTERN

ANTIBACTERIAL AND MILDEW PROOF EXPERIMENT

FORMALDEHYDE TEST



Lean Manufacturing

Granulation Snagging

Warping

Weaving

Setting Packing



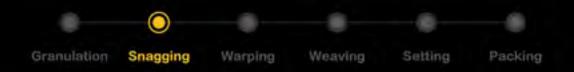


GRANULATION

Advanced Taiwan granulation equipment



SUNCOOL sunscreen fabric is made of high-quality yam imported from South Korea; PVC is purchased from public companies; All additives are certified by the international authoritative testing organization SGS; Good materials ensure a good feel of the fabric, good visual effects.





SNAGGING

German constant tension coating winding system.



The German constant tension coating winding system ensures the uniformity of yarn snagging; The speed of each SAHM snagging machine is >700m/min; the strong production capacity ensures the timelinessof the supply of SUNCOOL sunscreen fabrics.





WARPING

Intelligent & large & high-speed warping production line.



SUNCOOL has many large & high-speed warping production lines, warping density is uniform the number; length and color warp arrangement cycle of warp yarm exceed the weaving process standard. Warping arrangement is uniform, tension is stable, and production efficiency is high. Imported equipment and strict process requirements ensure that the quality of SUNCOOL fabrics is stable.





WEAVING

Dornier imported looms used in the factory.



Advanced German DORNIER looms weaving width 2, 2.5, 3 meters and custom width fabric. The most advanced equipment and variety of models of loom,let you have more when ordering SUNCOOL products choice.





SETTING

Automatic constant tension setting equipment.



With a special treatment process and strict quality control, each product undergoes multiple inspection procedures, ensure the excellent performance and stable quality of SUNCOOL fabrics.





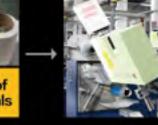
PACKING

Yellow end cap.



With the upgrade and stability of SUNCOOL Sunshine fabric, SUNCOOL is also upgraded to "yellow end cap" in packing and package appearance. "Little yellow hat" is an upgrade of SUNCOOL differentiated brand marketing, and it is also an affirmation of SUNCOOL sunscreen fabric's pwn products.









Weaving process inspection





TOTAL QUALITY MANAGEMENT







te Slitt



Slitting and packaging secondary inspection



Color and flatness inspection

CUSTOMER VALUE



5 years

OF QUALITY GUARANTEE

SUNCOOL sunscreen fabrics are made of ultra-strength imported filament, professionally coating equipment, and manufactured by German and Italian equipment. Professionals strictly control multiple processes, making SUNCOOL sunscreen fabrics the "four good and four high" eight quality advantage, providing you with 5 years of quality assurance.





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