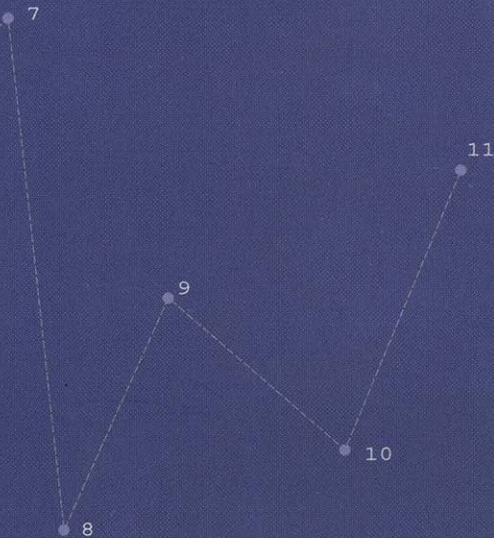


南亞 tairilin



SUNCOOL[®] 抗紫外線纖維

High performance fiber
with excellent UV-cutting property



SUNCOOL®

High performance fiber with excellent UV-cutting property

抗 紫 外 線 防 護



紫外線的傷害

紫外線是指太陽所發射波長200-400nm的電磁波。其能藉由臭氧層破洞穿透至地表，對人類皮膚造成劇大的傷害。其中UV-C能被大氣中的二氧化碳吸收，而無法達到地面，但UV-A、UV-B則會助長黑色素生成，導致皮膚老化，甚至造成皮膚癌。

因此除了化妝品業已陸續開發防曬護膚化妝品外，紡織業也相繼研發遮蔽紫外線的「抗紫外線紡織品」。南亞公司推出的Suncool®抗紫外線系列產品為長效型的高機能性纖維。Suncool®採用高科技的奈米紡絲技術，於高分子聚合階段加入具抗UV效果的奈米級微陶瓷粒子，具優異的抗紫外線效果。Suncool®-dull除保有原Suncool®的抗UV特性外，更加入鈍光及防透性機能，且手感更趨棉感。Suncool®-plus則為低磨耗型抗紫外線纖維，其纖維具有較平滑的表面可降低陶瓷粒子對織機絲道的損傷。亦有極佳的抗UV性及防透性。

Ultraviolet (UV) ray is referred to the electromagnetic wave with a wavelength of 200-400nm radiated from the sun. UV rays will permeate to the earth, through ozonosphere cavity, and hurt human's skin. Among the rays, UV-C can be absorbed by carbon dioxide in the atmosphere and can not reach to the surface of the earth, while UV-A, UV-B will foster the growth of melanin and may cause aged skin, spots, and furthermore skin cancer.

For this reason, besides cosmetic market introduced UV-cut products in succession; the textile industry also developed "UV-cut fabric" by after-treatment techniques or kneading special ceramic into polymer. Nan Ya's Suncool® is one of high performance fiber series with excellent UV-cutting property. Suncool® contains well-dispersed nano-grade ceramic by nano-spinning technology. The nano-grade ceramics can reflect ultraviolet ray, and provide excellent UV-cutting performance. Suncool®-dull is another type UV-cut fiber featured ultraviolet protection, anti-transparency as well as full dull properties, and possess a cotton-like touch. Suncool®-plus is a low abrasion type UV-cutting fiber. The fiber has smoother surface that can keep the yarn path of weaving machine away from abrasion of ceramics, and with excellent UV block and anti-transparency effect.

舒適的穿著

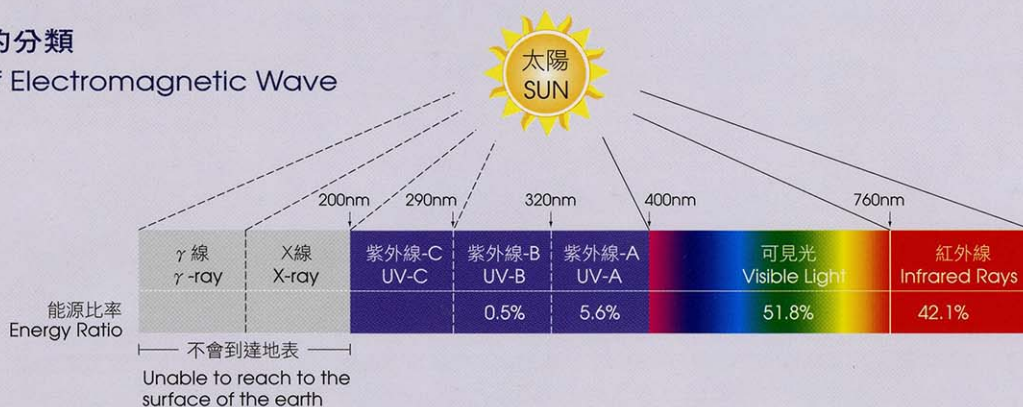
- 因添加無機微粒
- 和一般製

安全性

- 無機微粒
- 不使用化學

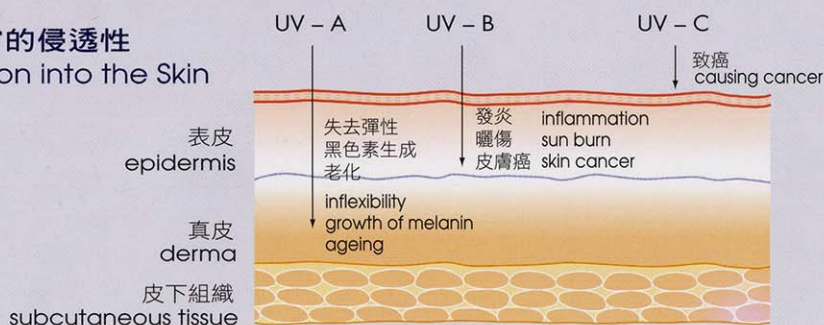
電磁波的分類

Types of Electromagnetic Wave



紫外線對皮膚的侵透性

UV Permeation into the Skin



SUNCOOL®

Suncool®抗紫外線纖維的織物特性 Fabric Characteristics of Suncool® Ultraviolet Resistant Fiber

優越的紫外線遮蔽性 Excellent Shelter from Ultraviolet Rays

- 以適用於夏季服的34G單面本白針織布為例，使用75/72的Suncool®抗紫外線加工紗，其UPF指數可大於29。
- 以遮蔽效果較差的CVC60/40本白絲織布測試紫外線防護指數UPF為18(超過標準值15)，符合澳洲AS/NZS 4399:1996標準。
- 且因高分子改質具有優越耐久性。
- For an instance, 34G single jersey off-white fabric made of 75/72 Suncool® DTY, the UPF will exceed 29.
- The UPF of CVC 60/40 off-white plain woven fabric is tested 18 (exceeding the standard value of 15) and meets the requirement of Australia standard AS/NZS 4399:1996.
- UV block characteristics will keep long because it is ceramic-knead-in not after-treatment.

觸感

微粒子，織物具較佳的柔軟感及乾爽。
品同樣具耐洗滌性及整燙性。

Keeping the wearer comfortable

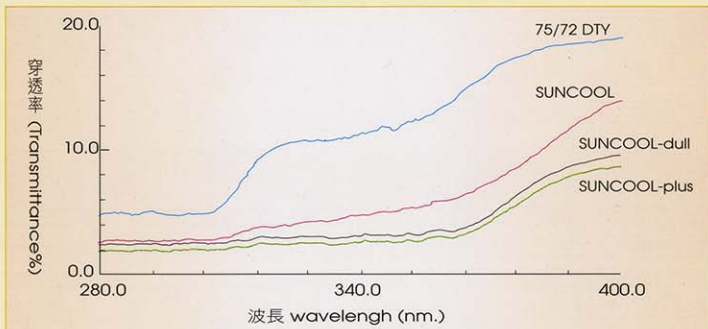
- The fabric features better soft and dry feeling for added with tiny ceramic in fiber.
- Fastness to washing and ironing, as same as ordinary products.

子不會從高分子中溶出或剝離，安全性高。
學添加劑，對光安定性佳，不刺激皮膚。

Security

- Ceramic-knead-in feature security because the particles would not peel off from fiber.
- No chemical additive is used and featuring light stability, no stimulation to skin.

34G單面圓編本白織物 34G Single jersey off-white fabric



	UPF	UVAav%	UVBva%
75/72 DTY	14	14.08	5.50
SUNCOOL	29	7.0	2.86
SUNCOOL-dull	36	4.91	2.51
SUNCOOL-plus	38	4.8	2.41

產品規格 Specification

Suncool 長纖 Filament yarn : 75/36DTY、75/36/2 DTY
短纖 Staple fiber : 1.5d x 38mm

Suncool-dull:
50/72DTY、50/96DTY、50/108DTY、50/144DTY、75/72DTY

Suncool-plus:
75/48、75/72

產品用途

運動休閒服衣料、窗簾、陽傘、帽子等。

End use

Cloth for sports and casual wear, curtain, parasol, cap, etc.

1 2 3 4 5 6

SUNCOOL®



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