

grandCOT®

Grand technology in textiles derives Comfortable, Outstanding and Tender experience.

錦 康 紗 多 功 能 布

Breakthrough of product 產品新突破

Inorganic Particles

無機粉體

Inorganic Particles

無機粉體

Adding inorganic powder during high temperature production processing will not affect the characteristic of Nylon yarn. The yarn still keeps its high tenacity, excellent absorption properties and brightness appearance even after fabric dyeing. Inorganic powder enhances multifunction such as anti-bacterial, anti-odor, far infrared (FIR) radiation, negative ion emission, UV protection and moisture wicking etc.

錦康紗所選取的無機粉體在高溫熔融紡絲生產過程中並不會改變尼龍本身的結構，即尼龍自身強韌性，吸濕性佳與染後顏色鮮艷等特點不受影響。但無機粉體使尼龍具有抑菌、抑臭、遠紅外線、負離子釋出、防紫外光和吸濕快干等多種複合功能。

Inorganic Particles

無機粉体

Includes 當中包含

**Light reactive
material**

光合催化成份

**Modified bamboo
charcoal powder**

改性竹炭粉末

Light reactive material 光合催化成份

During illumination, light reactive material will break down those harmful to human and environmental substances, activate anti-bacterial and anti-odor function.

Besides, the reaction also changes the surface of **grandCOT**
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multifunctional yarn, that improve water evaporation, so sweat will not stay on skin for long period of time.

在光照的情況下，它可催化分解對人體和環境有害的物質，體現抑菌，抑臭功能。
還賦予錦康紗表面疏鬆多孔結構，能夠增加水份蒸發的表面積，令汗水迅速排出，避免人體汗水附在皮膚表面，體現吸濕透氣功能。

Modified bamboo charcoal powder

改性竹炭粉末

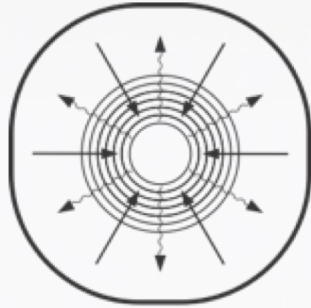
Modified bamboo charcoal powder provides excellent anti-bacterial and moisture absorption properties. This helps to keep skin in fresh and dry condition. Bamboo charcoal powder also has the function of far Infrared radiation and negative ion release which can improve microcirculation.

它使纖維與其織物具有良好抑菌性，並附加極佳的吸附功能，能達到防腐，抑臭，吸附異味的功效，再加上竹炭的吸濕快干功能使內衣與皮膚保持干爽的狀態。此外，釋出遠紅外線和負離子的功能，促進血液循環，增強免疫力。

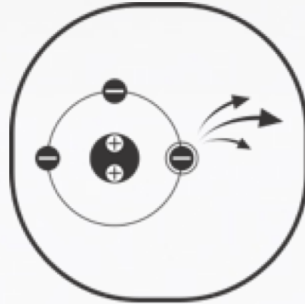
Multifunction

多功能

Inorganic particles are added into Nylon yarn, the yarn becomes multifunctional
無機粉體對尼龍進行改良，令尼龍具有以下多功能



FIR RADIATION
遠紅外線發射



NEGATIVE ION
EMISSION
負離子發射



MOISTURE WICKING
吸濕排汗



BACTERIOSTATIC
抑菌

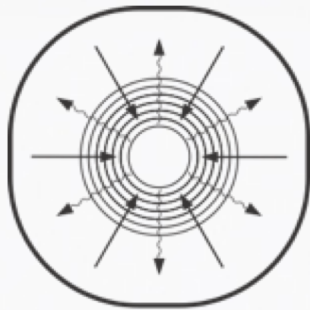


ODOR RESISTANT
抑臭



UV PROTECTION
防紫外線

Far Infra-red Radiation 遠紅外線發射



FIR RADIATION
遠紅外線發射

FIR fabric traps heat and absorb heat.
熱遠紅外線布料阻止熱力流失同時吸收熱力。

Heat release from skin surface.
熱力由肌膚表面散發。

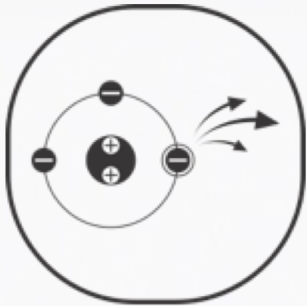


Heat is transferred and released as FIR.
體熱轉化成遠紅外線同時釋放遠紅外線能量。

FIR enters skin and heats up body.
This improves blood circulation and raise oxygen level in blood.
These **can enhance metabolism** and **delay aging problem**.

遠紅外線進入肌膚，加熱身體。
此舉能促進血液循環和提升血液中帶氧含量。
加強新陳代謝並**延遲衰老問題**。

Negative Ion Emission 負離子發射



NEGATIVE ION
EMISSION
負離子發射

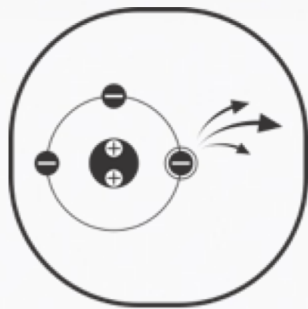
Body ages when body cells accumulate free radical damage over time through natural human physiological process and the environment. Stress, smoking, alcohol or air pollutants may be the cause of free radicals. Negative ions helps to balance and prevent oxidation by neutralizing free radicals in our cells. As a result, **cells are revitalized** and **immunity are strengthened**.

正常新陳代謝過程，人體內細胞會被自由基破壞。生活壓力、抽煙、酗酒或空氣污染等，都是產生自由基的原因。負離子則可以透過離子中和，幫助平衡和防止細胞氧化。因此，**活化細胞並增強人體免疫力**。

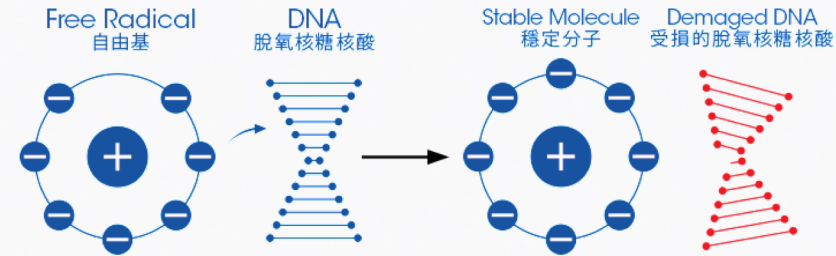
Negative Ion Emission 負離子發射

Free radical steals an electron from DNA. Accumulation of DNA damage leads to cell death which can cause premature ageing or cancer.

自由基從脫氧核糖核酸偷走一粒電子。體內受損的脫氧核糖核酸增加會造成細胞死亡，引致提前衰老或患癌風險。



NEGATIVE ION
EMISSION
負離子發射

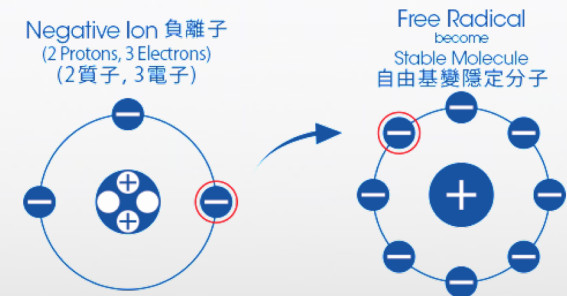


Negative ion gives an extra electron to free radical.
負離子將自己多出的一粒電子給自由基。

This atom is now neutralized. This reduces free radical in body and **lower the risk of sickness and disease**.

原子在此時已被中和。

因此能減少體內自由基的數量和**降低疾病發生的機會**。



Bacteriostatic & Anti-Odor 抑菌抑臭

grandCOT[™] multifunctional yarn can inhibit bacterial growth , reduce possibility of bacterial infection and the unpleasant smell caused by it.
Grand technology in textiles derives Comfortable, Outstanding and Tender experience.

錦康多功能紗線能**抑制細菌生長**，**減少**細菌感染及細菌引起的**異味**。



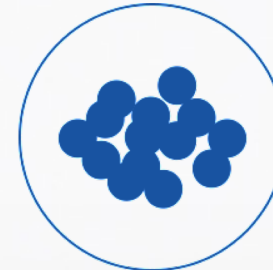
BACTERIOSTATIC
抑菌



ODOR RESISTANT
抑臭



E. Coli
大腸桿菌



Staphylococcus aureus
金黃葡萄球菌



Candida albicans
白色念珠菌

Moisture Wicking 吸濕排汗



Inorganic powder is a Nano scale materials, included light reactive material, which gives the yarn a loose porous structure. The increasing surface area allow better water evaporation thus avoiding sweat stays on skin. Moisture wicking ability activated.

Inorganic powder also obtain modified bamboo charcoal powder which has moisture absorption properties to **keep underwear and skin in fresh and dry condition.**

無機粉体均為納米級材料，當中包含一種光合催化成份。它賦予錦康紗表面疏鬆多孔結構，能夠增加水份蒸發的表面積，令汗水迅速排出，避免人體汗水附在皮膚表面，發揮吸濕透氣功能。

再加上改性竹炭粉体的吸濕快干功能使**內衣與皮膚保持干爽的狀態**。

UV Protection 防紫外線



UVA rays age skin cells and damage their DNA. These rays are linked to long-term skin damage such as wrinkles. **grandCOT** multifunctional yarn protect skin from harmful UV rays. Therefore, application of this yarn on sportswear could **protect skin damages** caused by UV rays.

紫外線使皮膚細胞衰老並破壞它們的DNA。長期可損害皮膚形成皺紋。錦康紗多功能布能有效對抗紫外線。應用在運動服上可有效**防止紫外線傷害皮膚**。



Multifunction + Different Knitting Techniques
多功能 + 多種織造技術

Multifunctional
多功能

+

360° Stretch
360°彈性



Multifunctional
多功能

+

Silky/Milky Touch
絲質/牛奶手感



Multifunctional
多功能

+

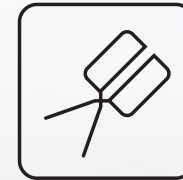
Gentle Touch
輕柔手感



Multifunctional
多功能

+

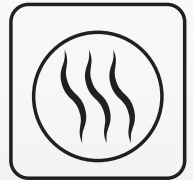
Free Cut
自由裁



Multifunctional
多功能

+

De-odor Elastane
消臭氨綸





Hangtag 吊牌

Application Procedure 申請程序

Customer indicate require hangtag quantity on purchasing order.
Any excessive quantity, more than FOC*, would be invoiced as
“ Surcharge “

** 8 hangtags per each yard/meter are offered free of charge.
Extra hangtags cost HKD\$0.15/ RMB¥0.15 per each*

客戶需於大貨訂單上注明所需吊牌數目。如超過免費提供的數量*，公司將開“附加費”發票收取費用。

** 每1碼/米可免費獲得8個吊牌，
其後額外吊牌收費為HKD\$0.15/RMB¥0.15/個*

Thank you
謝謝