

# **WOOL LOVE SPORTS**

men and women sports fabric trends



# Wool movement

Wool movement initiated by Britain's prince Charles in 2010, is committed to promoting the natural benefits of wool fabrics, to the world at the same time to provide support for herders and fabric industry. Prince Charles said: "the wool is a natural, renewable, biodegradable fibers, sustainable fiber is a kind of incomparable absolute, choose real wool is also on the planet, which we rely for existence of love." After the launch of the UK, "wool movement" have taken place in many countries have reached an unprecedented scale in the whole world, more and more countries to plan different activities to celebrate the "wool week". "Wool movement" is a real global prosperity, hundreds of retailers, designers and manufacturers, including Paul Smith, Vivienne Westwood and Topshop brand support.



Paul Smith





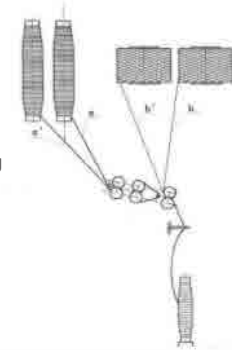


# Elastic wool

In motion wind blow today, people are more care about is the most original release physical feelings, relative to the fashion, "comfort level" has become the primary demands of consumers. The birth of wool, overturns the knitting stereotypes, satisfy the modern people more and more casual way of life. Wool fabrics of movement of the key point is to retain the wool soft, breathable, deodorant natural performance, a new type of spinning technology give wool fabrics of movement good elasticity and resilience, wearing sports retractile, comfortable fit, at present the main way of spinning core-spun yarn and embedded composite spinning.



The embedded composite spinning is in recent years in our country with independent intellectual property rights of new spinning technology. Its characteristics can be image understanding is the combination of the two siro spinning phil, after two short fiber roving by bell distance parallel feed, the other two filament is through spinning device respectively on the outer edge of the article roving shall directly by the front roller feeding, two roving and yarn first preliminary collection and pre twisting, respectively, and then together twisting yarn.



Elastic wool, namely the elasticity of wool yarn, through inside the wool fiber coated elastic fibers (core-spun yarn) to achieve good elasticity of wool fiber. Core-spun yarn is also called composite yarn or covered yarn, it is composed of two or more than two kinds of combination of fiber and become a new type of yarn. General with strength and elasticity is good, including synthetic fiber filament as the core wire, using core yarn excellent physical properties and chemical fiber filament outsourcing performance in spinning core-spun yarn of wool surface.



# Wool movement fabric development direction

Movement of wool fabric at present is mainly by wool and synthetic fibre blended Sportswool, with the continuous development of textile industry, the green of biodegradable polyester, weak acid moisturizing skin care ciclo Paramos cellulose fiber, antibacterial chitin, silver ions of nanotechnology, anti-fouling deodorization PANACEA photocatalytic man-made fibres can be integrated into the wool fiber and its blended, the wool fabric of comfort and functional ascend to a new height.



Global Merino and CiCLO cooperation development biology decomposition of recycled pet/wool blended fabrics, 2017 ECO Performance AWARD, within 149 days long CiCLO polyester fiber degradation rate of 17.6%, staple fiber degradation rate of 20.7% in 149 days.



Paramos cellulose fiber is added malic acid and amino acids such as part of the group of atoms mild not stimulate the skin weak acid cellulose fibre. Having the Ozzie and Harriet, hygroscopicity good water imbibition, therefore, to remove ammonia smell is extremely outstanding performance, etc. Ideal state of human body skin for weak acid, compared with cotton has more excellent moisturizing performance.

Chitin fiber raw materials commonly used shrimp, crab aquatic products of waste, can reduce the waste pollution to the environment, and biodegradable. Chitin fiber has good hydrophilicity and high hygroscopicity. In addition, with excellent dyeing properties, antibacterial deodorant, antistatic.



Silver nanoparticles (Nano Silver) is to achieve the nanoscale particle size of metal Silver elementary substance. Nano silver particle size of around 25 nm mostly, on escherichia coli, neisseria gonorrhoeae, chlamydia trachomatis and other dozens of pathogenic microorganism has strong inhibition and killing effect. Into a sports fabric of silver nanoparticles, have very good antibacterial deodorant effect.

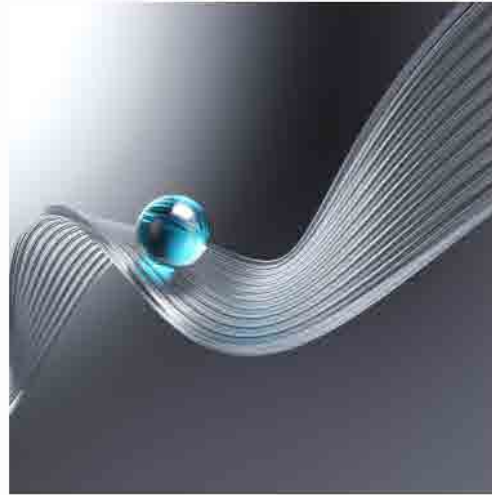
PANACEA photocatalytic man-made fiber is using special technology will have photocatalytic effect of ceramic with artificial fiber, developed under the light (sunlight or fluorescent lights) irradiation can produce antimicrobial properties of high safety antibacterial synthetic fibers. Photocatalyst under the sun and the fluorescent light irradiation, produce powerful force oxide on the surface, can remove access to the organic compounds and bacteria and other harmful materials.





## Wool sports products seamless technology

Ideal sportswear, helps the wearer to get comfortable experience at any time, more can obtain spiritual enlightenment. The future of wool sportswear, will focus on seamless knitting technology. It is a sustainable, a integrated technology, through a needle, each coil of precision design, replace clothing that could stimulate skin suture, at the same time also more lightsome. Seamless knitting technology is usually achieved by weft knitting, is now can be done by warp knitting machine, seamless technology can also be used in warp knitting wool yarn, the fabric both retain warp knitting mesh structure, tighten the elastic advantages, but also good permeability and comfort of wool fabric.



## Brand use introduces



New sports fashion brand, China - Particle Fever (particles), invited by Lanecrawford and woolmark, introduced a merino wool series, used for Particle Fever of Particle Sensa Italian fabrics, feel soft, good elasticity, resistance to uv index up to 50 +

HELEN LEE lane crawford and hand in hand The wool company launched capsule series "WordOut Word" movement of wool, designers using new fabrics to fashion and functional integration, HELEN LEE passed out beyond The work we need to have in order to achieve goals in life.



THE WOOLMARK COMPANY X HELEN LEE



NAGNATA

Australian designer brand NAGNATA seamless knitting wool yoga series, inspired by traditional men's wear plaid and fangs pattern. Using natural wool yarn, combined with classic design, the use of weaving technology of innovation, restoring ancient ways to build modern sports.