



X DYNAMIC SOUL

HIGH PERFORMANCE
MERINO YARNS

SPORTS
OUTDOOR
ADVENTURE
ACTIVWEAR
ATHLEISURE AND
SPORTS-LUXE

XDYNAMIC SOUL

XINAO



RESPONSIBLE INNOVATION
WITH ECO-SUSTAINABLE CONSCIOUSNESS
FOR NATURAL PERFORMING YARNS

In the fast-paced realm of today's active and dynamic lifestyle, comfort, durability and performance are paramount. We understand the needs of this world and that's why we're proud to introduce our X Dynamic Soul High performance Merino wool yarns - the pinnacle of natural fiber innovation.

At the heart of our yarns is the extraordinary Merino wool, revered for its exceptional qualities. Whether used in its pure form or expertly blended, Merino wool offers unrivaled comfort, versatility and performance, making it the ideal choice for the active world.

X DYNAMIC
SOUL
HIGH PERFORMANCE
MERINO YARNS

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OUR ROOTS

Our journey began with a vision, a vision to redefine the landscape of fine yarn production. From humble beginnings, we ascended to the pinnacle of excellence, becoming a global leader in crafting merino wool yarns. This manual serves as a synthesis of our dedication, passion, and relentless pursuit of innovation in the world of the active wool too.

XDYNAMIC SOUL

XINAO



merino WOOL

At the heart of our success lies the foundation of high-quality raw materials. Merino wool, renowned for its softness, warmth, and natural breathability, forms the core of our offerings. Sourced from our select farms with a commitment to ethical and sustainable practices, our merino wool embodies the epitome of luxurious fibers, declined here for the creation of garments designed both for the world of outdoor activities and for the lifestyle of the modern consumer.

unstoppable creativity

Our yarns are not merely threads; they are the embodiment of craftsmanship, innovation and creativity. The versatile nature of our Merino wool yarns allows you to unleash your imagination, creating garments and projects that stand out for their quality beauty and functionality.

unwavering traceability

We take pride in our commitment to traceability and transparency. From the moment the Merino wool is sheared from the sheep to the final product, we meticulously track every step of the production process. Our yarns are ethically sourced and sustainably produced, supporting responsible farming practices and animal welfare.

innovation at the core

Innovation is the lifeblood of our company. We continuously invest in research and development to bring you yarns that not only meet but exceed the market expectations. Our team of experts is at the forefront of textile technology, constantly pushing boundaries to create yarns with unparalleled softness, strength, and color vibrancy. Whether you seek yarns with advanced moisture-wicking properties for active wear or brilliant hues for your creative projects, you'll find innovation woven into every fiber.

superior quality

Our commitment to exceptional quality is the cornerstone of our brand. We meticulously select and process the finest merino wool to ensure that every strand of yarn exudes the utmost quality. The result is a product that is sumptuously soft, breathable and absolutely resilient.

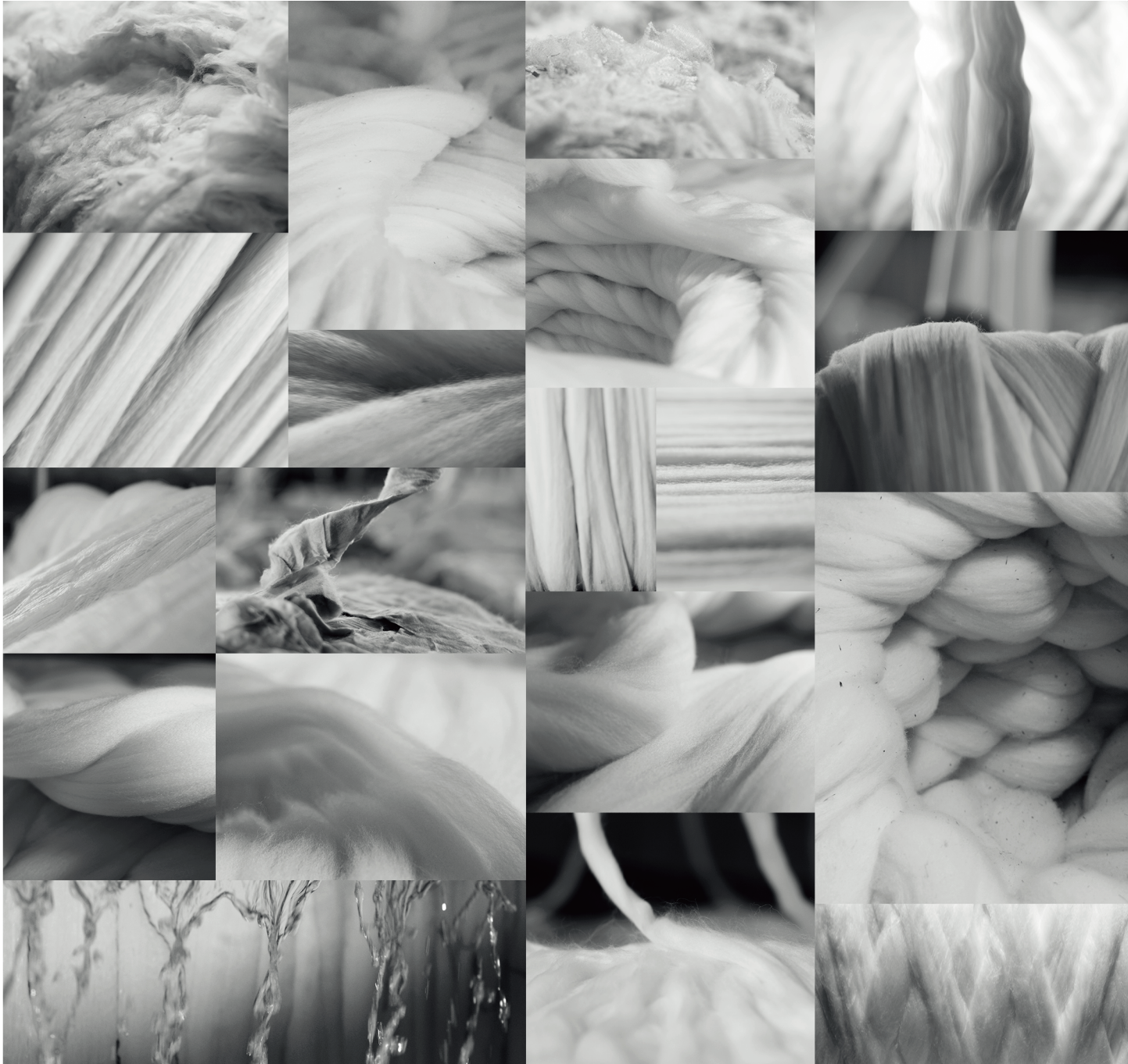
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XINAO

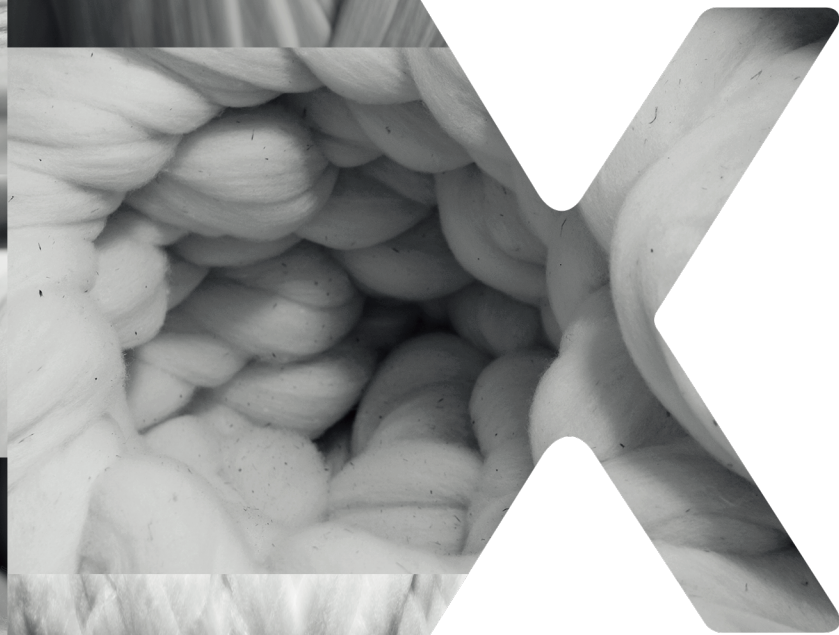
XDYNAMIC SOUL

XINAO



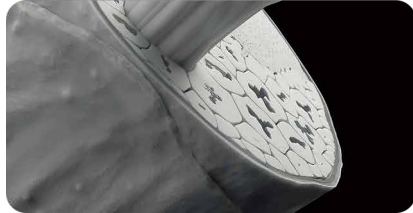
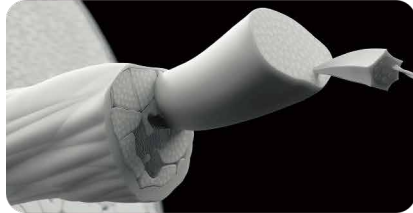
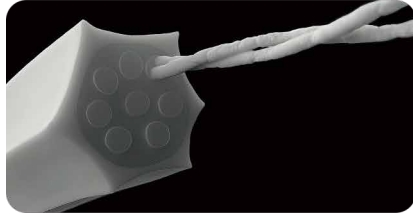
OUR FIBER

The finest Merino wool forms the basis of all Xinao's machine knitting yarns and is part of the company's DNA. Most of the Merino wool used is sourced directly from Australia. The reason why we chose Merino wool is because of its many inherent natural and functional properties which provide many benefits for the wearer.



XDYNAMIC SOUL

XINAO



Images property of Woomark company



natural

There is no argument that wool is natural and is not man-made. Wool grows on the sheep naturally as a form of protection against the elements of nature such as the sun, rain, snow, wind, and hail.



renewable

Wool is a renewable resource. To produce wool, sheep need grass and water. Most sheep are shorn of their wool once per year, and the wool naturally grows back, then it is shorn again the following year and so on.



wool is easy to care

Many of the yarns produced by XINAO the wool component has been machine washable treated before spinning. This enables the consumer to safely machine wash their garment made from them multiple times without the fear of shrinkage or colour bleeding or fading taking place.

Wool also has excellent stain release properties. When wool is immersed in water, the wool fibres swell thus allowing dirt, sweat, and stains, to be able to be released quickly.



fire resistant

Wool has natural inherent flame-resistant properties. In comparison to other fibres, wool is difficult to ignite and must reach a temperature of approaching 600°C before it does so. Also, when the source of the flame is removed, wool extinguishes itself leaving only a char.



uv resistant

Wool has evolved over thousands of years and has developed inbuilt protection against harmful UV radiation. Most Merino sheep thrive in hot climates such as Australia and South Africa where temperatures during the summer months reach more than 40°C are not uncommon.



biodegradable

When wool is disposed of and is buried in the ground, in comparison to other fibres, depending upon soil conditions it quickly breaks down or biodegrades. Wool is rich in Nitrogen a beneficial nutrient, i.e. comprising around 16% by weight, which after decomposing is released into the soil.

OUR FIBER

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OUR SUSTAINABILITY

At Xinao, We stand at the forefront of sustainability within the yarn industry, acknowledging our responsibility to reduce our environmental impact and support a more sustainable future for the active world. Our unwavering commitment to eco-friendliness is deeply ingrained in our corporate ethos, influencing every aspect of our operations and yarn production.



XDYNAMIC SOUL

XINAO



Eco-sustainability certifications play a pivotal role in shaping the future of our yarn production company. We have been a Woolmark licensee since 1994 both for their Woolmark (100% Wool) and Wool Rich Blend machine yarns. Wool Rich Blend machine yarns. This ensures that the yarns on offer meet the stringent Woolmark specifications which cover aspects like fibre composition, colour fastness in the case of dyed yarns and dimensional stability of yarns classified as machine washable.

Our products have passed numerous domestic and international quality assurance standards, which include ISO9001 quality management system, and ISO14001 Chinese environmental certification. They are also a Blue sign partner, and their yarns are also qualified both for the Oeko-Tex Standard 100, and the EU Eco-label.

In 2017, we became an accredited and certified manufacturer by the Textile Exchange in relation to RWS (Responsible Wool Standard). Our products are also certified by the Textile Exchange to produce yarns made from Organically grown wool. We also have acquired knowledge and experience in meeting the requirements of the Greenpeace.



XINAO

sustainable materials selection

Our journey towards eco-sustainability commences with our material choices. These materials are carefully selected for their renewable, biodegradable, and low-impact qualities, ensuring that our yarns contribute positively to the environment.

supply chain transparency

Transparency and ethical sourcing are central to our sustainability efforts. We maintain a close relationship with our suppliers, ensuring that they adhere to fair trade practices and ethical labor standards. This commitment extends to promoting fair wages, safe working conditions, and fostering long-term, mutually beneficial relationships with our partners.

responsible manufacturing

Every step of our manufacturing process is carried out with the environment in mind. We implement energy-efficient technologies and minimize waste generation by adopting a zero-waste approach.

reduction of chemical usage

The fiber manufacturing process often involves the use of various chemicals. Choosing higher quality fibers requires fewer production cycles, leading to a reduction in overall chemical.

water recycling and energy efficiency

We place a strong emphasis on conserving water and energy throughout our manufacturing processes. Advanced water treatment systems are in place to purify and reuse water, significantly reducing water consumption. Simultaneously, energy-efficient machinery and practices aid in reducing our energy usage and mitigating greenhouse gas emissions.

ecosustainable education

In addition to our internal practices, through workshops, seminars and educational initiatives, we aim to raise public awareness about eco-friendly yarns and encourage sustainable behavior.

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VOLUME 1
BASE LAYER

100% MERINO	Angel	100% Ultrafine Merino Wool 15.5MIC	1/100	Machine washable
	Value	100% Ultrafine Merino Wool 17.5 MIC	1/60	Machine washable
	Talent	100% Extrafine Merino Wool 18.5 MIC	1/50, 1/60, 1/72, 2/72	Machine washable
	Element	100% Extrafine Merino Wool 19.5 MIC	1/40, 1/50, 1/60	Machine washable
	Sporty	100% Extrafine Merino Wool 19.5 MIC Stripe	1/50	Machine washable Visual effect
X-SPUN	Bolsty	87% Ultrafine Merino Wool 16.5MIC 13% Nylon core-spun	1/100	Machine washable Strength Durable
	Brace	90% Ultrafine Merino Wool 17.5MIC 10% 20D/7 F Nylon core-spun	1/50	Machine washable Strength Durable
	Brace	87% Ultrafine Merino Wool 17.5MIC 13% 20D/7 F Nylon core-spun	1/60	Machine washable Strength Durable
	Biolana-CS	87%Ultrafine Merino Wool 17.5MIC 13% 20D/20F Bio-degradable Nylon core-spun	1/60	Machine washable Strength Durable Sustainable
	Skinny	90% Ultrafine Merino Wool 17.5MIC 10% 20D/9F PBT core-spun	1/50	Machine washable Strength Durable Stretch recovery Smooth
	Bundle	87% Ultrafine Merino Wool 17.5MIC 13% 20D/7F Nylon sirofil-spun	1/60	Machine washable Strength Durable Anti-pilling
	Rattan	80% Ultrafine Merino Wool 17.5MIC 20% 20D/7F Nylon warp-spun	1/45	Machine washable Strength Durable Anti-pilling

VOLUME 1

BASE LAYER

Merino wool is the ideal choice for the manufacture of base-layers, providing the highest level of comfort when worn next to the skin. It also provides breathability, and because of its excellent natural elasticity, it moves with the body irrespective of the type of sporting or leisure activity. It also has good Odour Management Control (OMC) properties.

Sweat does not smell but provides a damp and warm environment for bacteria which causes bad odours to form rapidly. Because Merino wool absorbs around 30% of its weight in moisture before it feels wet, it, therefore, prolongs the on-set of bacterial growth.

The result is that base layers made from or containing Merino wool do not have to be laundered quite as frequently.

In addition to base layer yarns designed for circular knitting made from 100% Merino wool, Xinao produces a wide range of Merino machine knitting blend yarns which offer enhanced functionality and performance such as increased durability, moisture management, stretch-recovery, thermal insulation, and light-weight.

All Xinao's base layer yarns are machine washable in accordance with Woolmark Standards.

100% merino wool

For base layer clothing and accessories, Merino wool offers excellent comfort, high breathability, good thermoregulation and excellent odor control. This makes it the most suitable fiber for being in contact with the skin.

X SPUN

It is a collective name for three different spinning methods, they are:



CORE SPUN



WARP SPUN



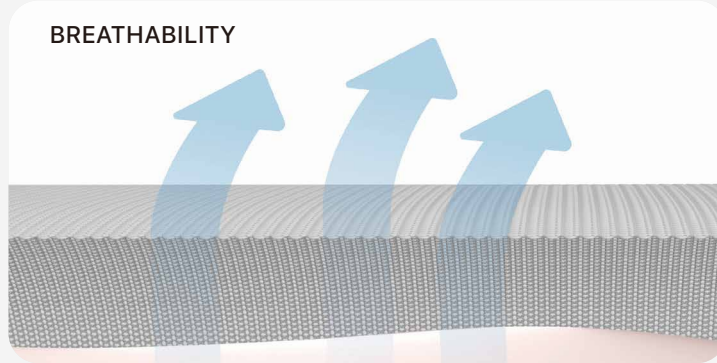
SIROFIL SPUN



ANGEL

Nm 1/100

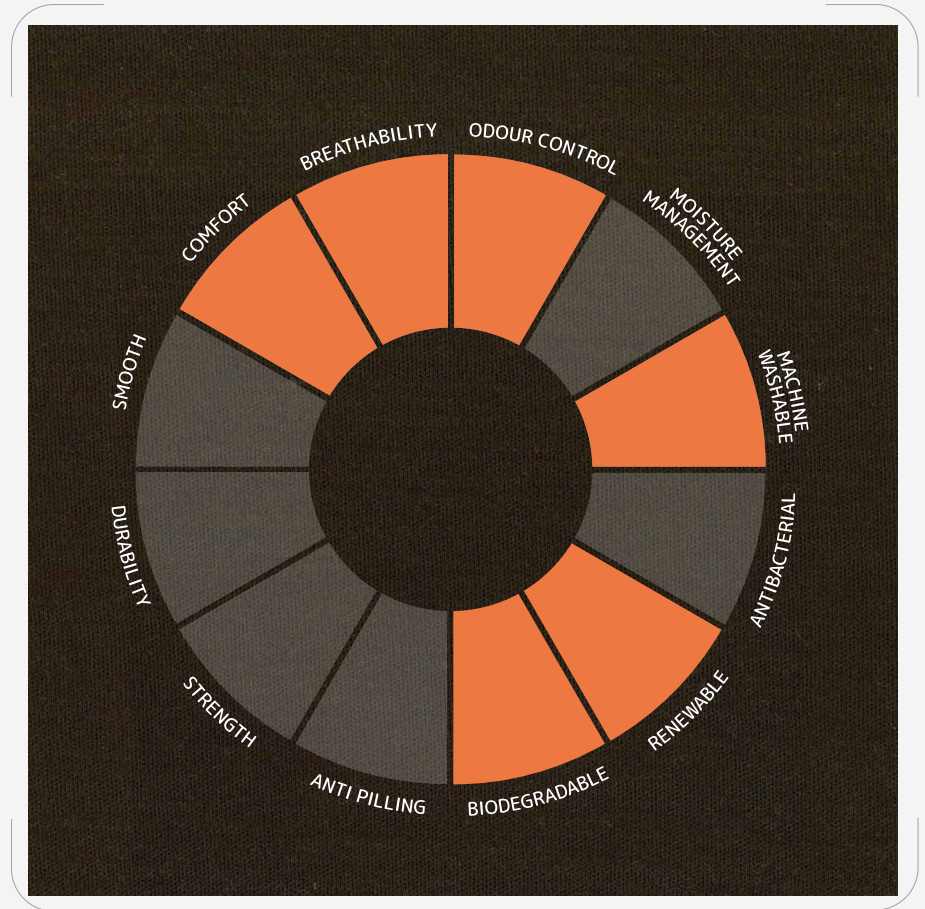
100% Ultrafine Merino Wool 15.5MIC



BREATHABILITY, COMFORT, ODOUR CONTROL, RAW WHITE YARN IS HELD IN STOCK.



BASE LAYER
100% MERINO



COMFORTABLE



BREATHABILITY



ODOUR CONTROL



MACHINE WASHABLE



RENEWABLE



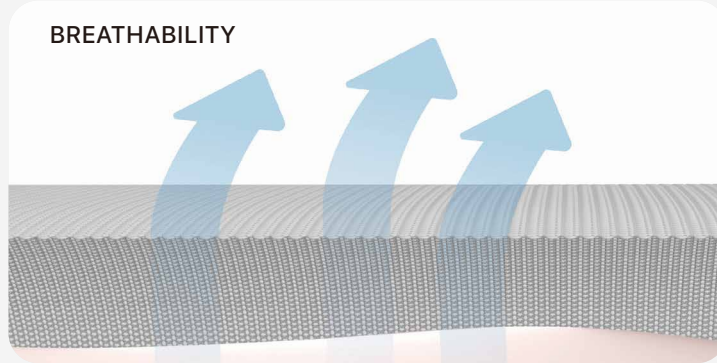
BIODEGRADABLE



VALUE

Nm 1/60

100% Ultrafine Merino Wool 17.5MIC



BREATHABILITY

BREATHABILITY, COMFORT, ODOUR CONTROL, RAW WHITE YARN IS HELD IN STOCK.



BASE LAYER
100% MERINO



COMFORTABLE



BREATHABILITY



ODOUR CONTROL



MACHINE WASHABLE



RENEWABLE



BIODEGRADABLE

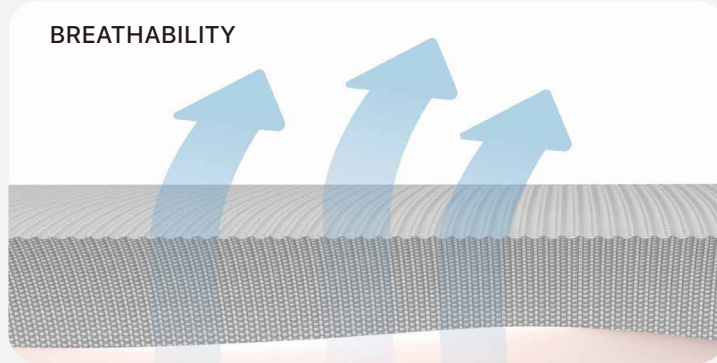


TALENT

Nm 1/50 | 1/60 | 1/72 | 2/72

100% Extrafine Merino Wool 18.5MIC

BREATHABILITY

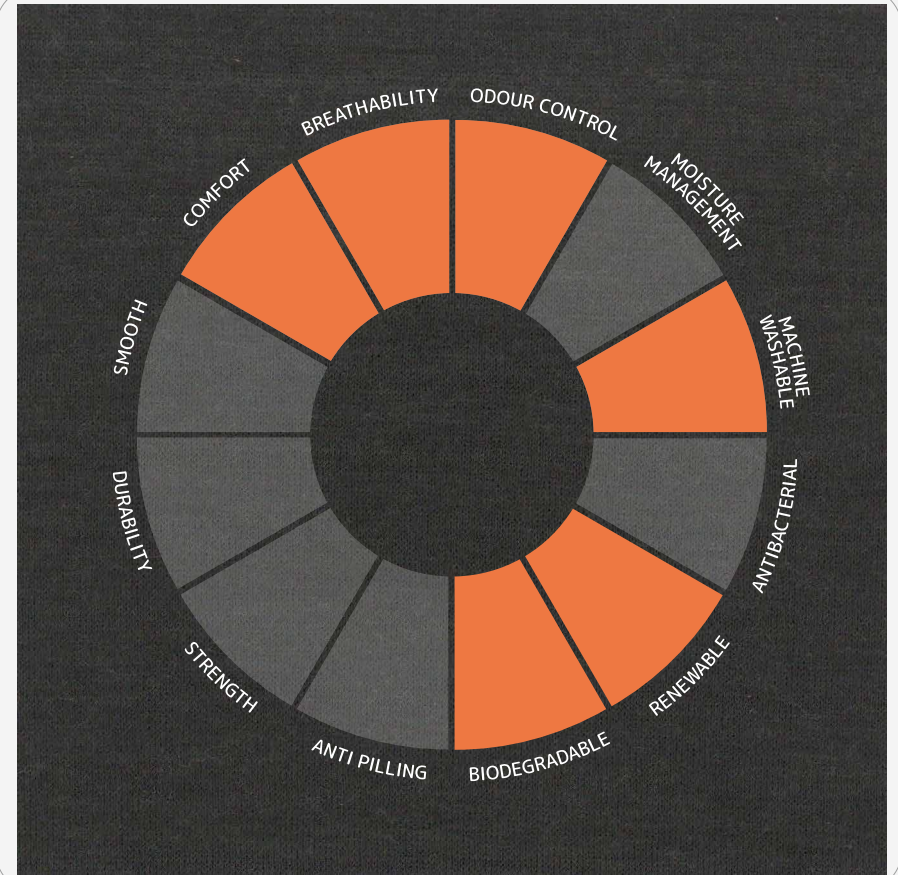


BREATHABILITY, COMFORT, ODOUR CONTROL, RAW WHITE YARN IS HELD IN STOCK.

Sustaina**WOOL**[™]
INTEGRITY SCHEME



BASE LAYER
100% MERINO



COMFORTABLE



BREATHABILITY



ODOUR CONTROL



MACHINE WASHABLE



RENEWABLE

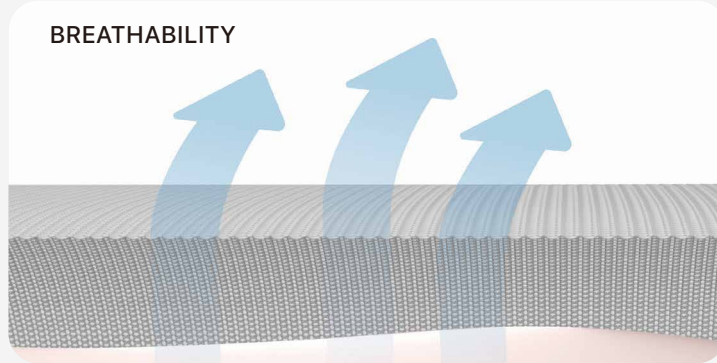


BIODEGRADABLE

ELEMENT

Nm 1/40 | 1/50 | 1/60

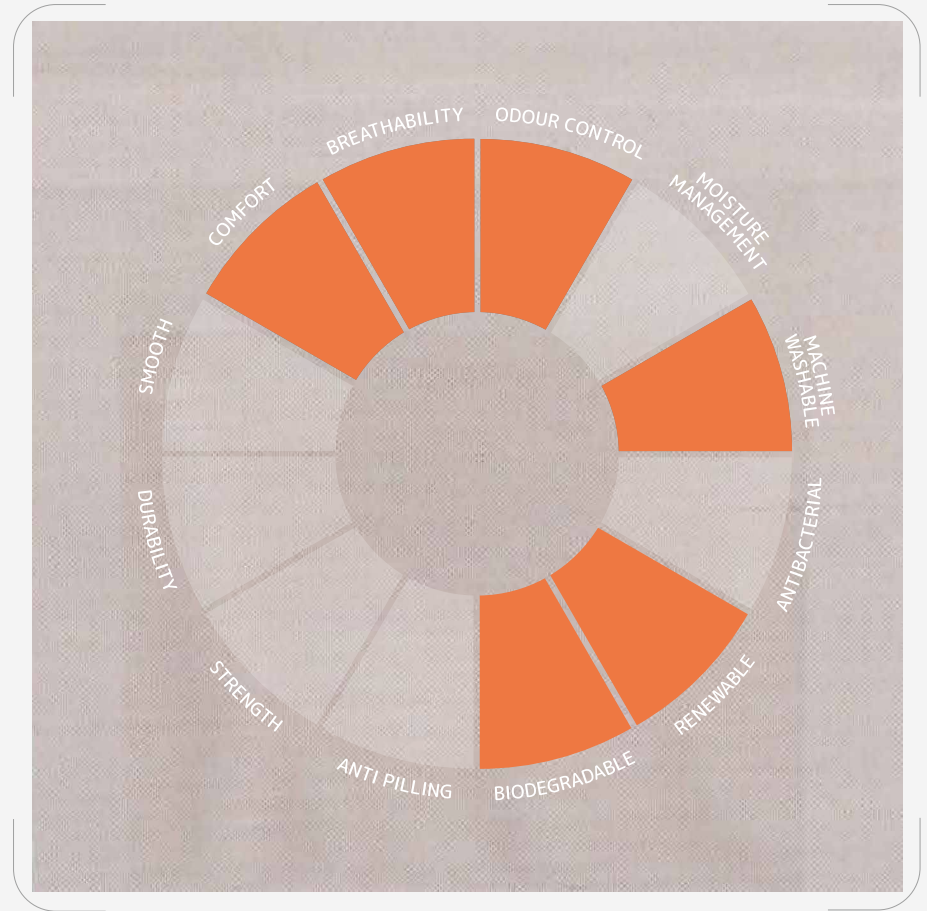
100% Extrafine Merino Wool 19.5MIC



BREATHABILITY

BREATHABILITY, COMFORT, ODOUR CONTROL, RAW WHITE YARN IS HELD IN STOCK.

BASE LAYER
100% MERINO



COMFORTABLE



BREATHABILITY



ODOUR CONTROL



MACHINE WASHABLE



RENEWABLE



BIODEGRADABLE

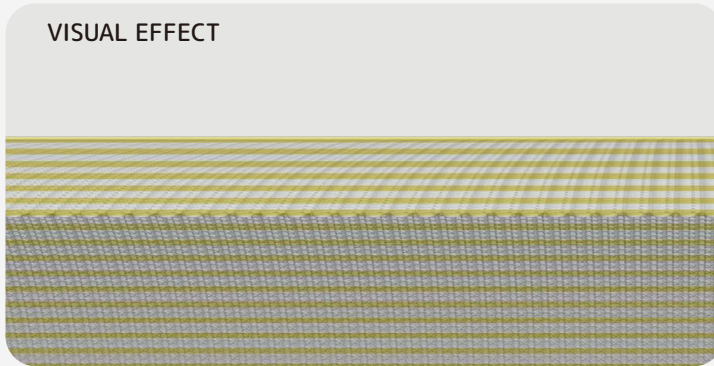


SPORTY

Nm 1/50

100% Extrafine Merino Wool (Stripe) 19.5 MIC

VISUAL EFFECT

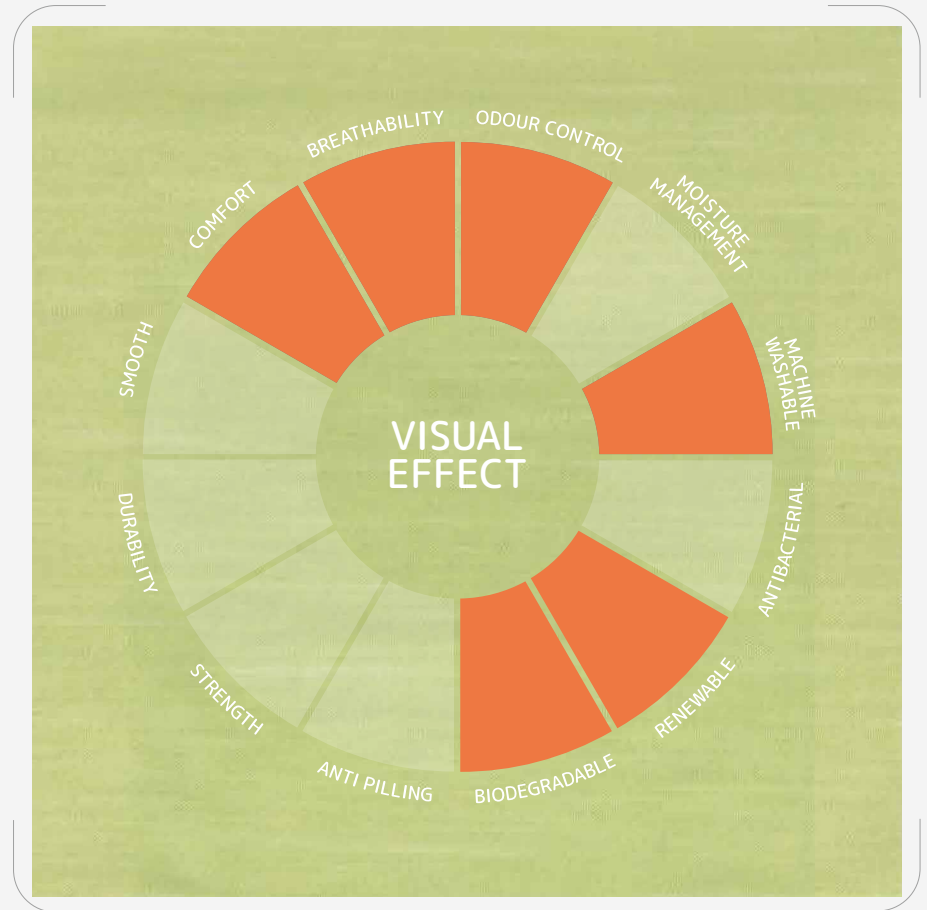


Sustaina**WOOL**[™]
INTEGRITY SCHEME

USE SPECIAL SPINNING TECHNOLOGY, HAVE UNIQUE VISUAL EFFECT AND WELL TEXTURE, SHOWING FASHION AND LEISURE APPEARANCE, MACHINE WASHABLE.



BASE LAYER
100% MERINO



COMFORTABLE



BREATHABILITY



ODOUR CONTROL



MACHINE WASHABLE



VISUAL EFFECT



RENEWABLE



BIODEGRADABLE

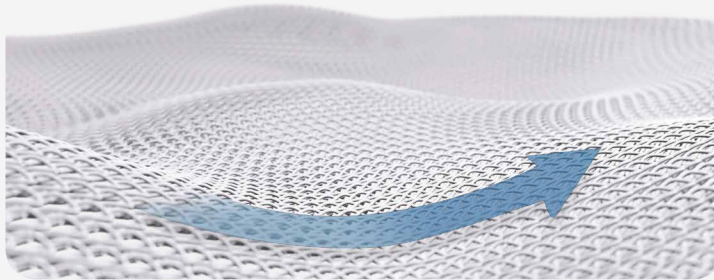


BOLSTY

Nm 1/100

87% Ultrafine Merino Wool 16.5MIC
13% 12D/7F Nylon, core-spun

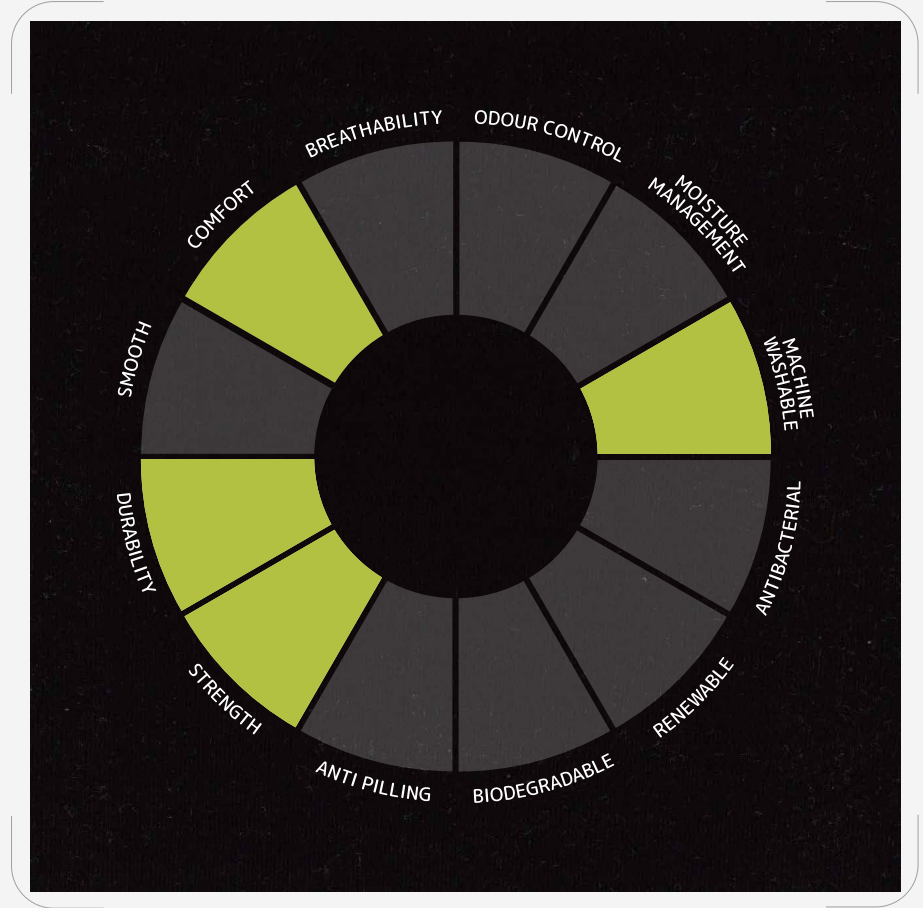
DURABILITY



ADOPTING THE LATEST CORE SPINNING TECHNOLOGY, THE WOOL IS COATED ON THE SURFACE OF NYLON FILAMENT, THE FABRIC MADE OF IT HAS A FLAT AND DURABLE SURFACE (GOOD BURSTING STRENGTH), WHICH IS 33% HIGHER THAN 100% WOOL. MACHINE WASHABLE.



BASE LAYER
X-SPUN



COMFORT



MACHINE WASHABLE



STRENGTH



DURABILITY



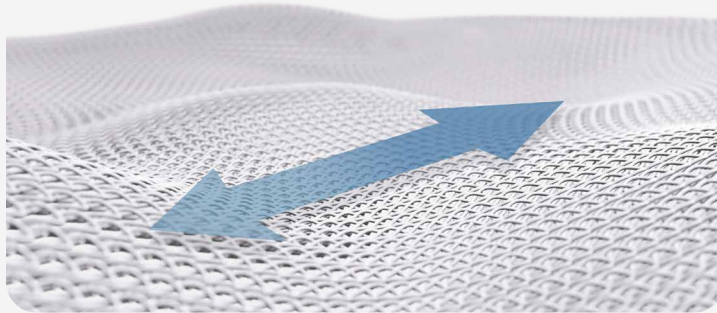
BRACE

Nm 1/50

90% Ultrafine Merino Wool 17.5MIC
10% 20D/7F Nylon, core-spun

87% Ultrafine Merino Wool 17.5MIC
13% 20D/7F Nylon, core-spun

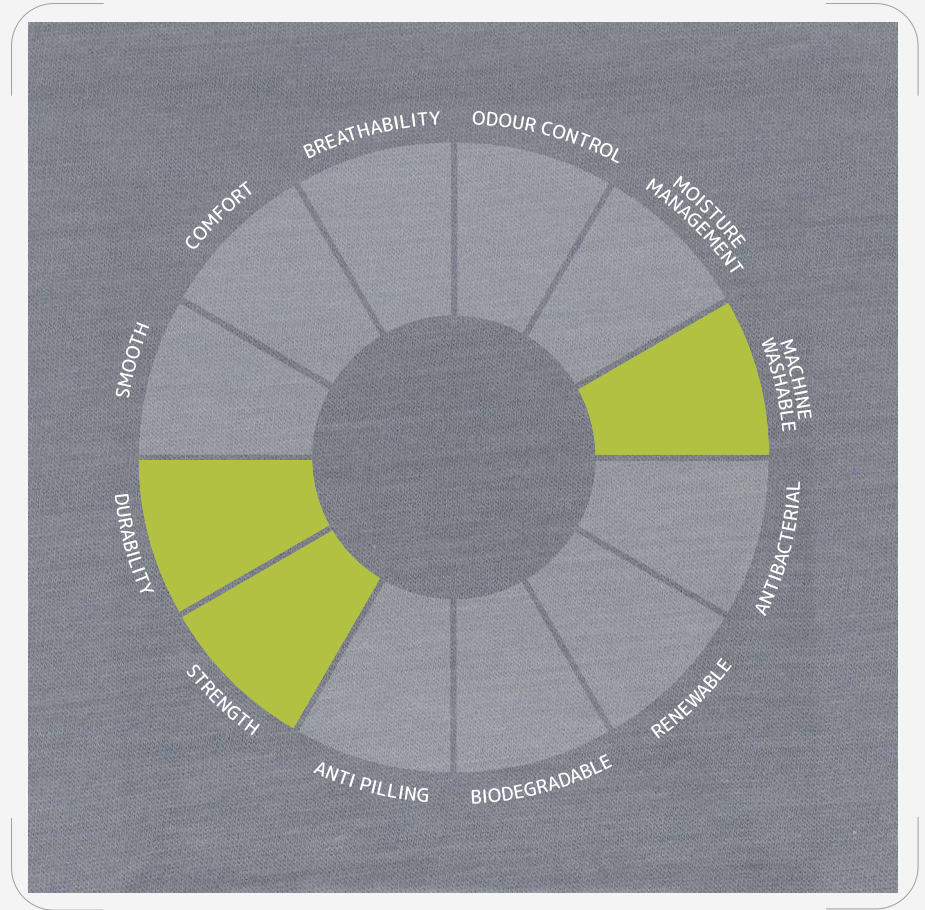
STRENGTH



ADOPTING THE LATEST CORE SPINNING TECHNOLOGY, THE WOOL IS COATED ON THE SURFACE OF NYLON FILAMENT, THE FABRIC MADE OF IT HAS A FLAT AND DURABLE SURFACE (GOOD BURSTING STRENGTH), WHICH IS 33% HIGHER THAN 100% WOOL. MACHINE WASHABLE.



BASE LAYER
X-SPUN



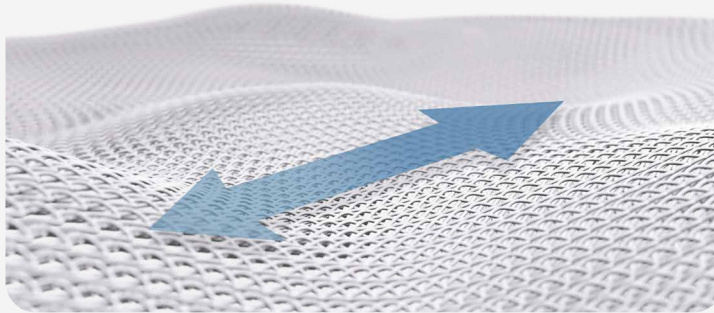


BIOLANA-CS

Nm 1/60

87% Ultrafine Merino Wool 17.5MIC
13% 20D/20F Bio-degradable Nylon, core-spun

STRENGTH

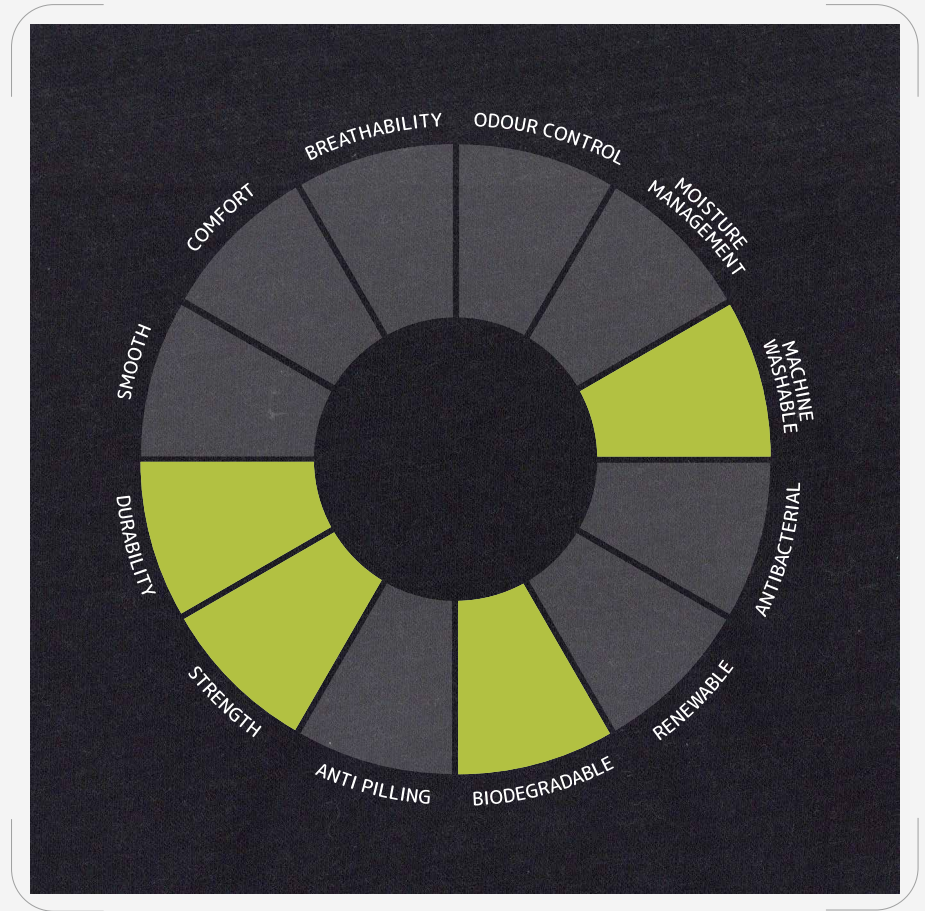


Sustaina**WOOL**[™]
INTEGRITY SCHEME

ADOPTING THE LATEST CORE SPINNING TECHNOLOGY,
BIODEGRADABLE, SUSTAINABLE, AND MACHINE WASHABLE.



BASE LAYER
X-SPUN



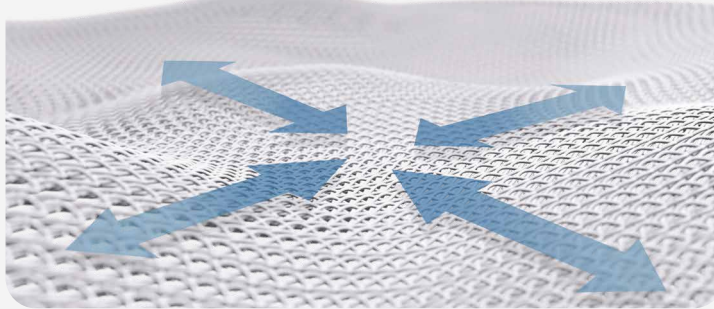


SKINNY

Nm 1/50

90% Ultrafine Merino Wool 17.5 MIC
10% 20D/9F PBT, core-spun

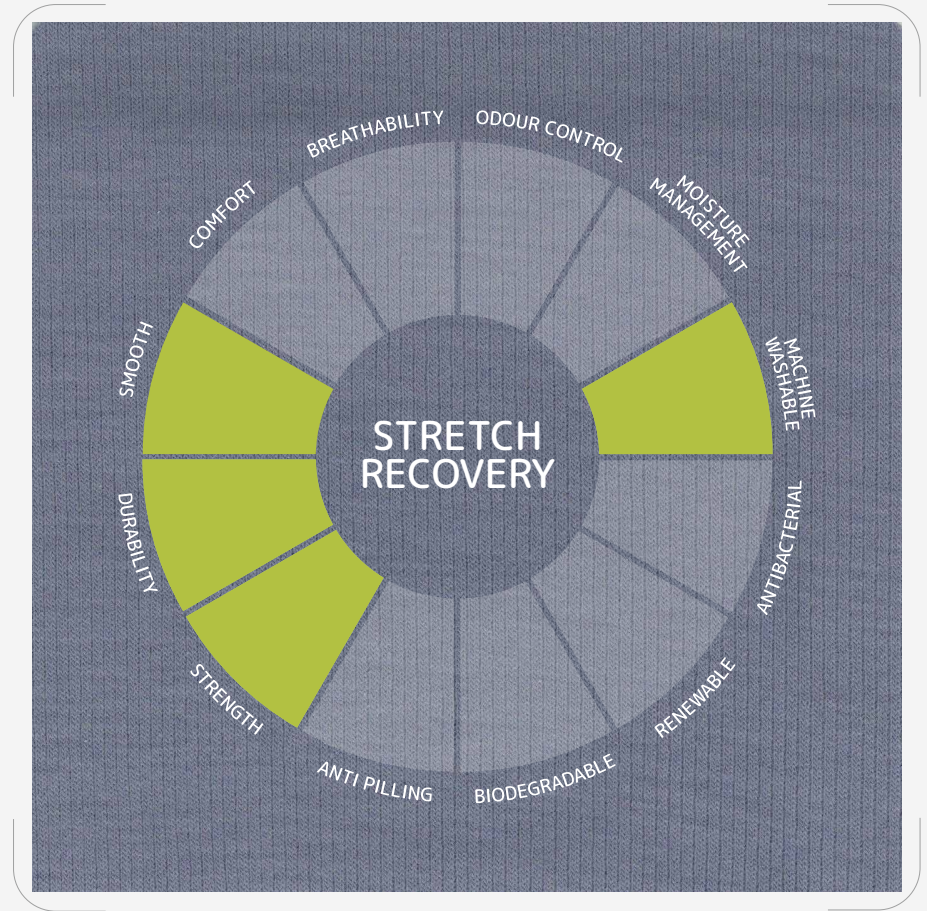
STRETCH RECOVERY



ADOPTING THE LATEST CORE SPINNING TECHNOLOGY, IT IS MADE BY WRAPPING WOOL ON THE SURFACE OF PBT FILAMENT. PBT IS A SPECIAL ELASTIC FIBER, WHICH MAKES THE YARN HAVE EXCELLENT ELASTIC RECOVERY. THE SURFACE OF THE FABRIC MADE OF YARN IS SMOOTH AND DURABLE (WITH GOOD BURSTING STRENGTH). MACHINE WASHABLE.



BASE LAYER
X-SPUN



SMOOTH



MACHINE WASHABLE



STRENGTH



DURABILITY



STRETCH

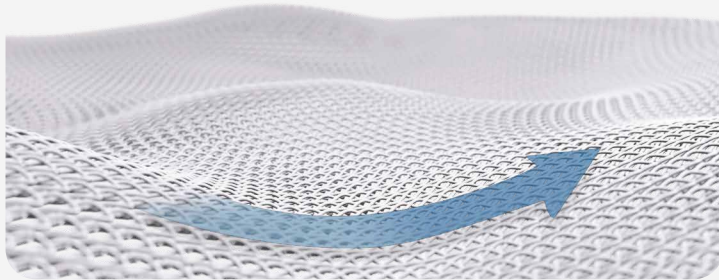


BUNDLE

Nm 1/60

87% Ultrafine Merino Wool 17.5MIC
13% 20D/7F Nylon, sirofil-spun

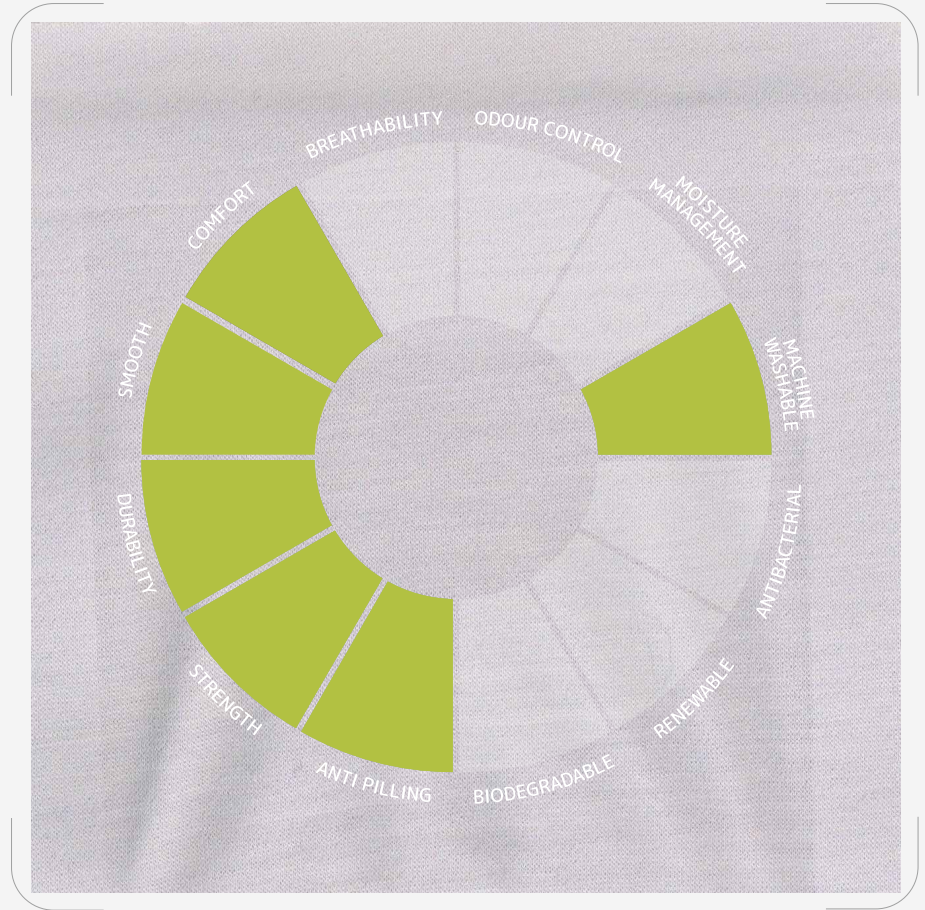
DURABILITY



ADOPTING THE SIROFIL-SPUN TECHNOLOGY, THE YARN HAS HIGH STRENGTH AND CERTAIN RESISTANCE PILLING RESISTANCE, THE FABRIC AND CLOTHING MADE OF IT ARE MORE DURABLE, AND THE FABRIC SURFACE IS SMOOTH AND CLEAN. MACHINE WASHABLE.



BASE LAYER
X-SPUN



SMOOTH



COMFORT



MACHINE WASHABLE



ANTI-PILLING



STRENGTH



DURABILITY

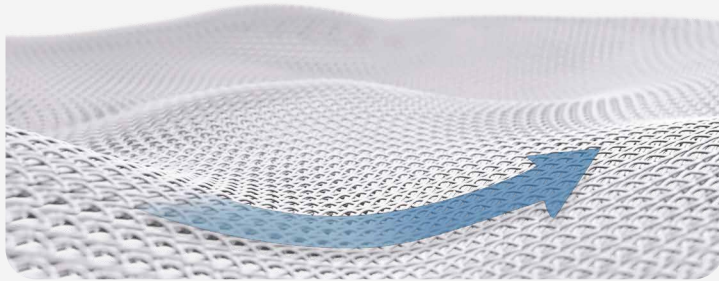
RATTAN



Nm 1/45

80% Ultrafine Merino Wool 17.5MIC
20% 20D/7F Nylon, warp-spun

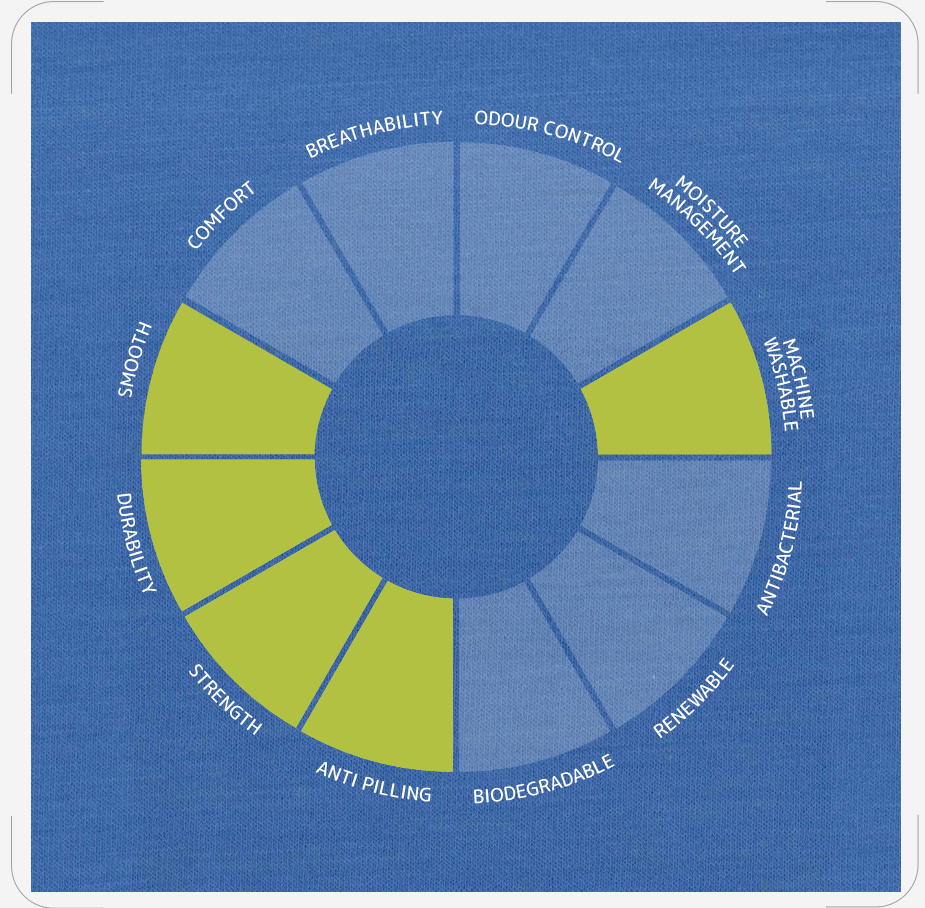
DURABILITY



ADOPTING THE LATEST EMBEDDED SPINNING TECHNOLOGY, WRAPPED WITH TWO NYLON FILAMENTS MADE ON THE SURFACE OF WOOL. FABRIC MADE OF YARN HAS A SMOOTH AND DURABLE SURFACE (GOOD BREAKING STRENGTH) AND EXCELLENT WEARING PERFORMANCE. MACHINE WASHABLE.



BASE LAYER
X-SPUN



SMOOTH



MACHINE WASHABLE



ANTI-PILLING



STRENGTH



DURABILITY

VOLUME 2

BASE LAYER

BLENDED	Delight	85% Extrafine Merino Wool 18.5MIC 15% Silk	1/60	Machine washable
	Venture	60% Extrafine Merino Wool 18.5MIC 40% 2.35D Acetate Naia™ Renew	1/50	Machine washable Sustainable Moisture management
	Eko+	40% Extrafine Merino Wool 18.5MIC 60% 1.5D Lyocell	1/50	Machine washable Sustainable Moisture management
	Slim	60% Extrafine Merino Wool 19.5MIC 40% 2.2D Lyocell	1/50	Machine washable Sustainable Moisture management
	Sheen	50% Extrafine Merino Wool 18.5MIC 50% 1.5D viscose	1/60	Machine washable Sustainable
	Hope+	45% Extrafine Merino Wool 19.5MIC 55% 2.5D Post-consumer Recycled Polyester	1/50 1/60	Machine washable Strength durable Sustainable
	Passion	60% Extrafine Merino Wool 19.5MIC 40% 2D Coolmax	1/50, 1/60	Machine washable Strength durable Moisture management
	Merino-37.5	55% Extrafine Merino Wool 19.5MIC 45% 2.5D Cocona-37.5 Polyester	1/50	Machine washable Strength durable Moisture management
	Outbound	50% Extrafine Merino Wool 19.5MIC 50% 2D Biodegradable Polyester	1/60	Machine washable Strength durable Sustainable
	Hygro	60% Extrafine Merino Wool 18.5MIC 40% 2D Polyester Genomex™	1/50, 1/60	Machine washable Strength Durable Moisture management Antibacterial Far infrared heating
SEAMLESS	Jungle	40% Ultrafine Merino Wool 17.5MIC 60% 1.5D Lyocell S,Z	1/72	Machine washable Moisture management
	Flexi	80% Ultrafine Merino Wool (16.5MIC) 20% 2D Nylon S,Z	1/80	Machine washable Strength Durable
	Dura dye	50% Extrafine Merino Wool 18.5MIC 50% Post-consumer Recycled Polyester S,Z	1/80	Machine washable Strength Durable Sustainable
	Agile	50% Extrafine Merino Wool 18.5MIC 50% THERMOCOOL S,Z	1/72	Machine washable Strength Durable Moisture management
	Action	80% Ultrafine Merino Wool (16.5MIC) 20% 20D/7F Nylon S,Z core-spun	1/85	Machine washable Strength Durable
	Syro	82% Ultrafine Merino Wool 17.5MIC 18% 20D/24F Pre-consumer Recycled Nylon S,Z sirofil-spun	1/80	Machine washable Strength Durable Sustainable Anti-pilling

VOLUME 2

BASE LAYER

Merino wool is the ideal choice for the manufacture of base-layers, providing the highest level of comfort when worn next to the skin. It also provides breathability, and because of its excellent natural elasticity, it moves with the body irrespective of the type of sporting or leisure activity. It also has good Odour Management Control (OMC) properties.

Sweat does not smell but provides a damp and warm environment for bacteria which causes bad odours to form rapidly. Because Merino wool absorbs around 30% of its weight in moisture before it feels wet, it, therefore, prolongs the on-set of bacterial growth.

The result is that base layers made from or containing Merino wool do not have to be laundered quite as frequently.

In addition to base layer yarns designed for circular knitting made from 100% Merino wool, Xiniao produces a wide range of Merino machine knitting blend yarns which offer enhanced functionality and performance such as increased durability, moisture management, stretch-recovery, thermal insulation, and light-weight.

All Xiniao's base layer yarns are machine washable in accordance with Woolmark Standards.



blended

Merino wool is blended with other functional fibers to preserve the naturalness and comfort of wool while giving the yarn more functionality, such as moisture management, antibacterial, etc.



seamless

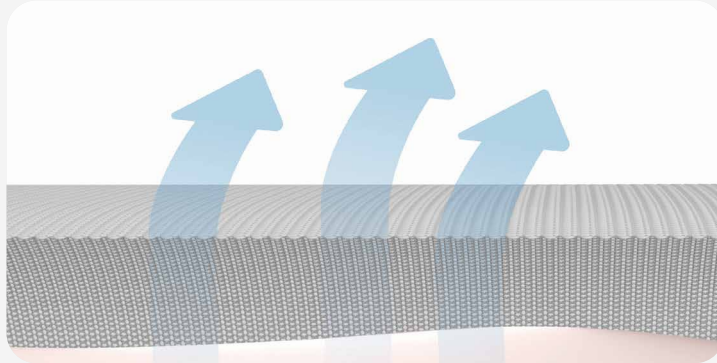
High-count yarn developed for the Santoni seamless machine with two twist orientations. They are durable with a good strength, soft and comfortable to wear, moisture absorbent and breathable, which can bring a dry and comfortable wearing experience to the wearer.



DELIGHT

Nm 1/60

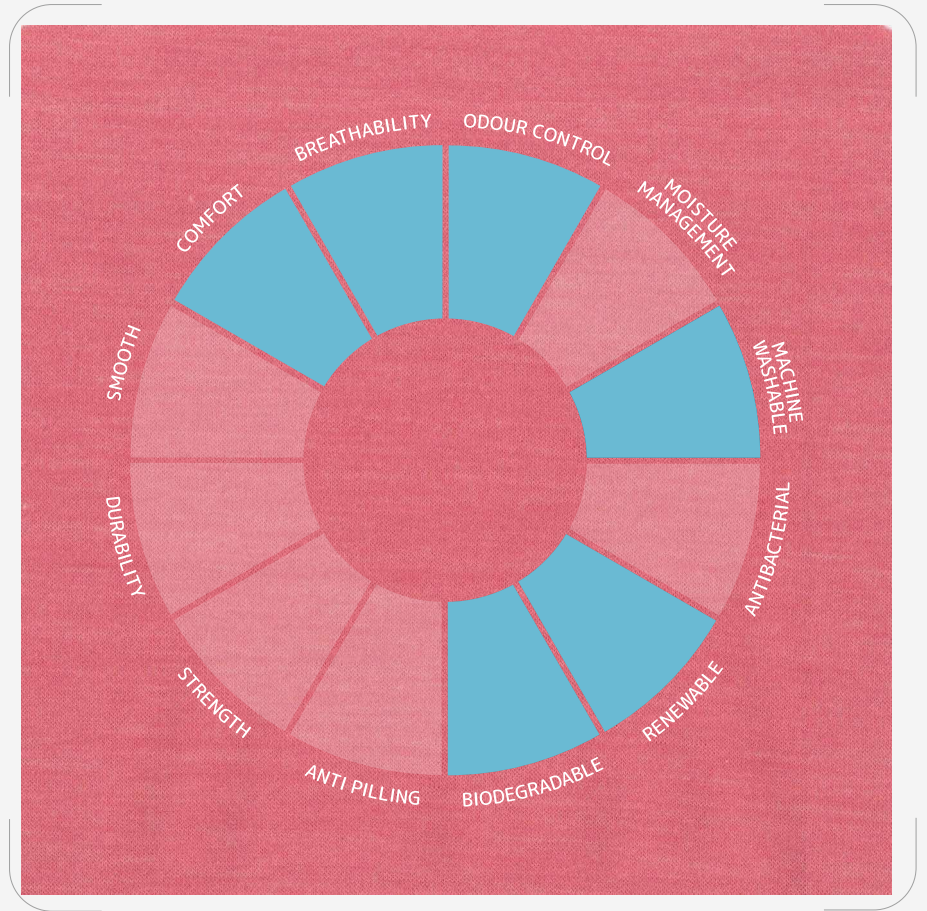
85% Extrafine Merino Wool 18.5MIC
15% Silk



BREATHABILITY, COMFORT, ODOUR CONTROL.



BASE LAYER
BLENDED



COMFORT



BREATHABILITY



ODOUR CONTROL



MACHINE WASHABLE



RENEWABLE



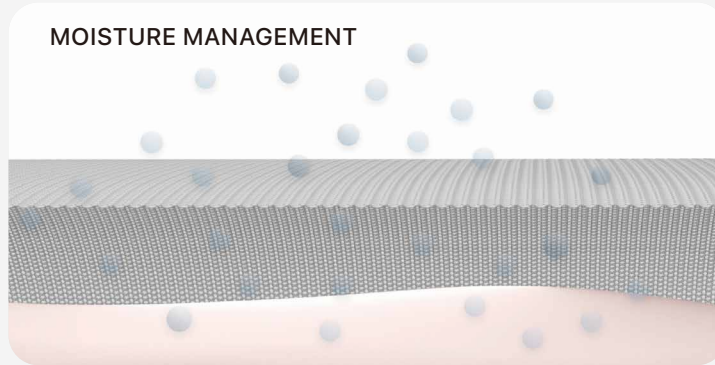
BIODEGRADABLE



VENTURE

Nm 1/50

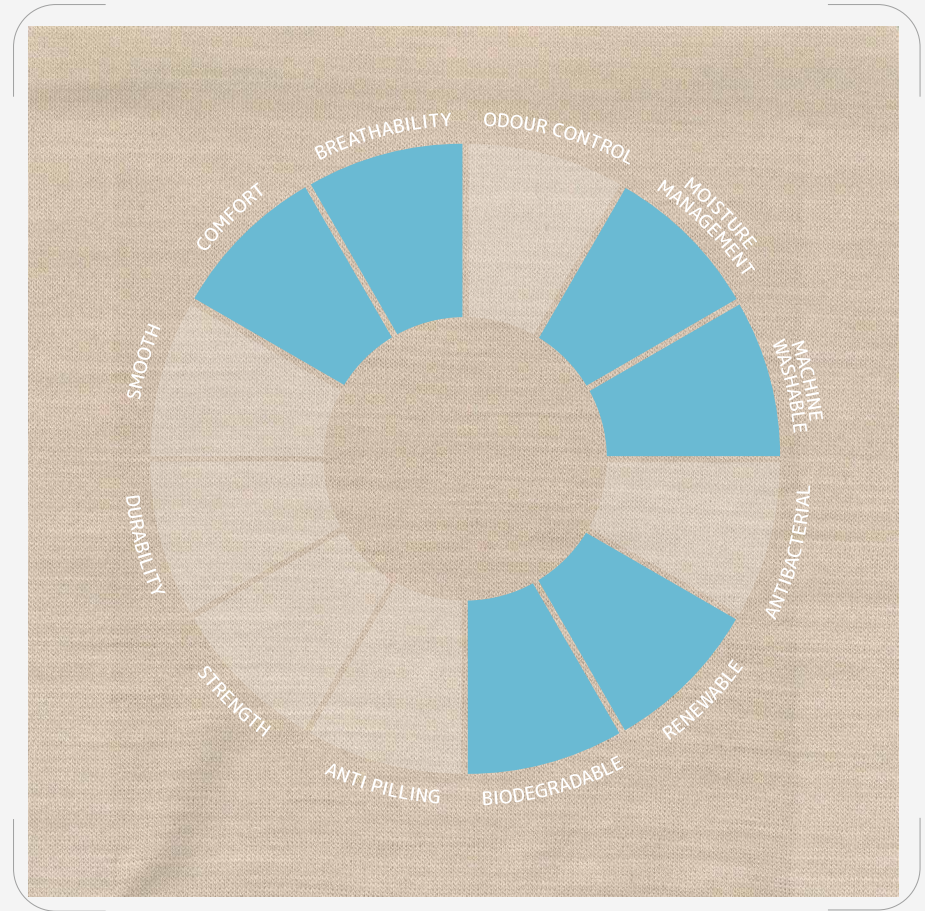
60% Extrafine Merino Wool 18.5MIC
40% 2.35D Acetate Naia™ Renew



BIODEGRADABLE, ENVIRONMENTALLY FRIENDLY, SUSTAINABLE, ODOUR CONTROL, SOFT, MOISTURE ABSORPTION AND SWEAT WICKING, MACHINE WASHABLE.



BASE LAYER
BLENDED



COMFORT



BREATHABILITY



MOISTURE
MANAGEMENT



MACHINE
WASHABLE



RENEWABLE



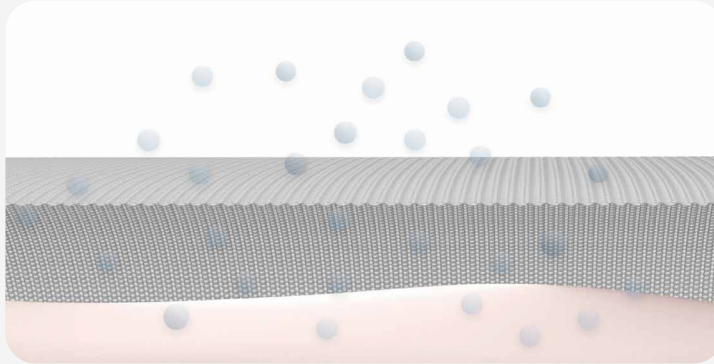
BIODEGRADABLE



EKO+

Nm 1/50

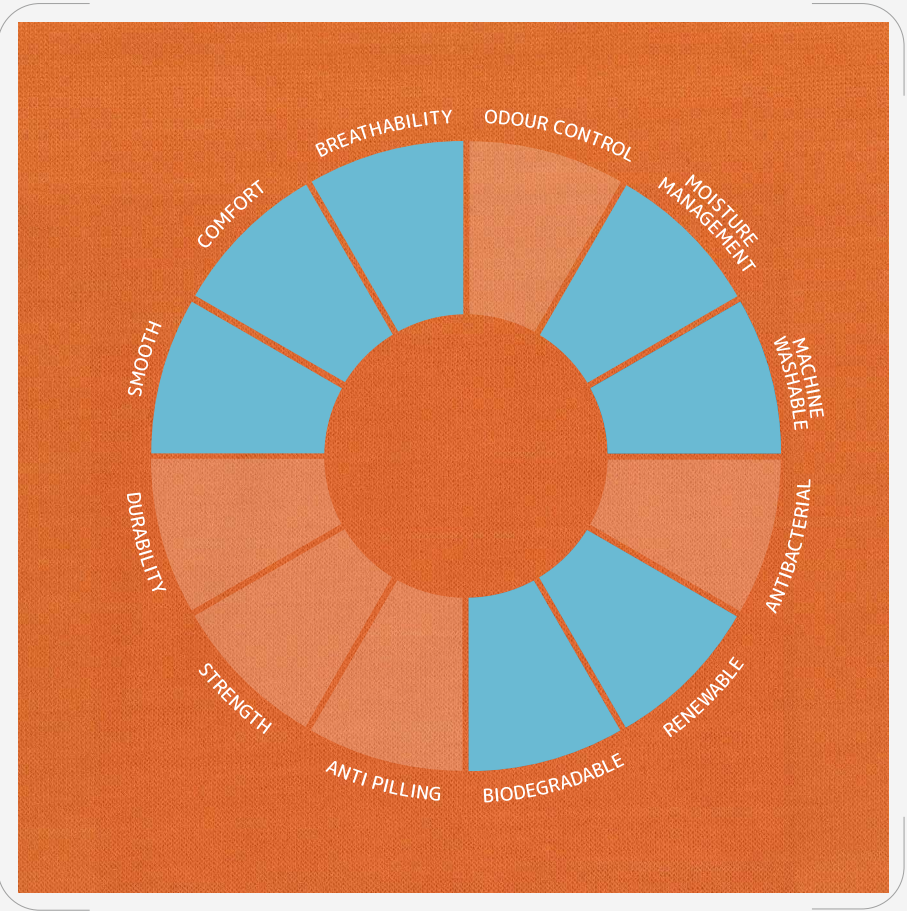
40% Extrafine Merino Wool 18.5MIC
60% 1.5D Lyocell



BIODEGRADABLE, WITH A COOL AND SMOOTH TOUCH, A SUBTLE SHEEN AND A NOVEL APPEARANCE, MACHINE WASHABLE.



BASE LAYER
BLENDED



SMOOTH



COMFORT



BREATHABILITY



MOISTURE
MANAGEMENT



MACHINE
WASHABLE



RENEWABLE



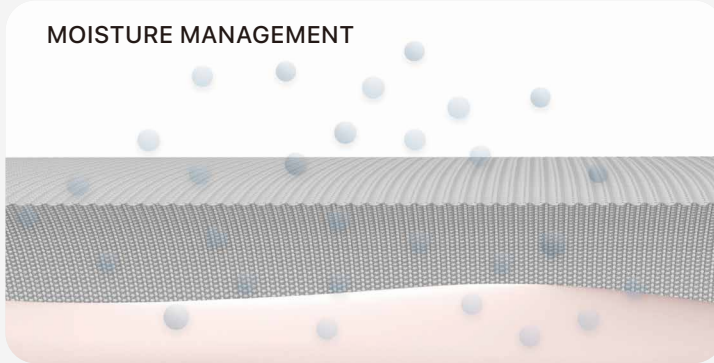
BIODEGRADABLE



SLIM

Nm 1/50

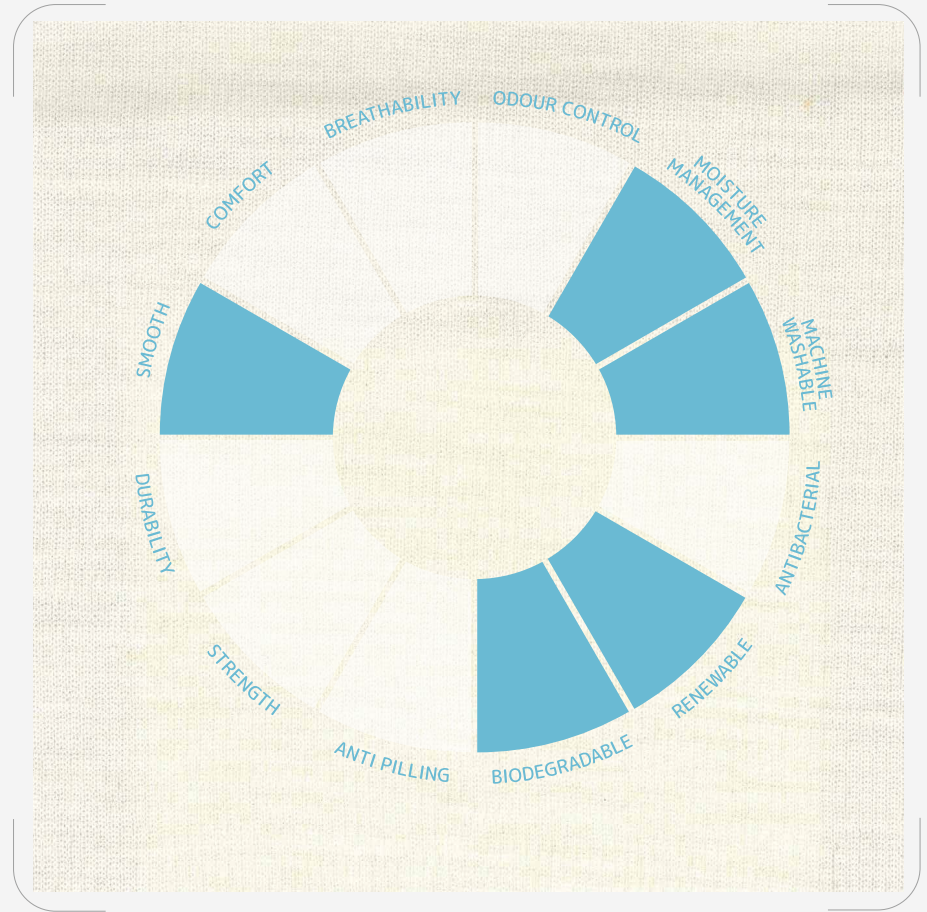
60% Extrafine Merino Wool 19.5MIC
40% 2.2D Lyocell



WITH A COOL AND SMOOTH TOUCH, A SUBTLE SHEEN AND A NOVEL APPEARANCE, MACHINE WASHABLE.



BASE LAYER
BLENDED



SMOOTH



MOISTURE
MANAGEMENT



RENEWABLE



BIODEGRADABLE



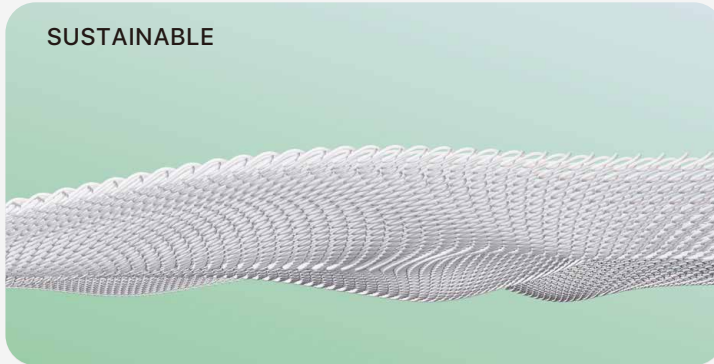
MACHINE
WASHABLE



SHEEN

Nm 1/60

50% Extrafine Merino Wool 18.5MIC
50% 1.5D Viscose



VISCOSE FIBER RAW MATERIALS COME FROM ARTIFICIALLY PLANTED FORESTS CERTIFIED BY FSC. SHEEN HAS NATURAL, BIODEGRADABLE, AND RENEWABLE CHARACTERISTICS, AND THE FABRIC HAS A SOFT LUSTER AND IS ALSO MACHINE WASHABLE.



BASE LAYER
BLENDED



RENEWABLE



BIODEGRADABLE



MACHINE WASHABLE



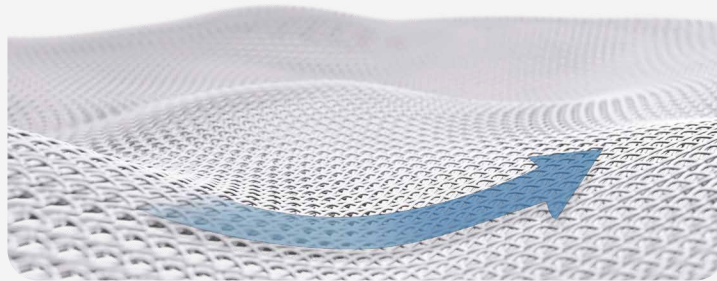
SUSTAINABLE



HOPE+

Nm 1/50 | 1/60

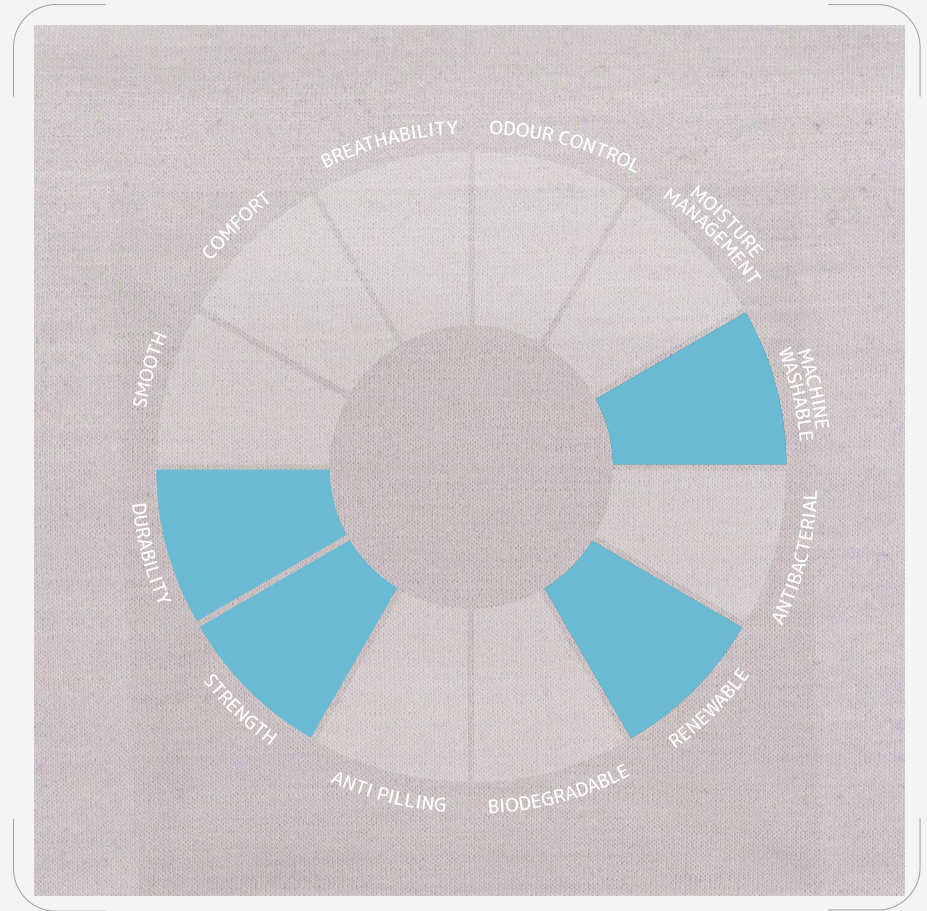
45% Extrafine Merino Wool 19.5MIC
55% 2.5D Post-consumer Recycled Polyester



THE KNITTED FABRIC MADE OF YARN IS LIGHT WEIGHT AND HAS PASSED GRS CERTIFICATION (GLOBAL RECYCLING STANDARD), FEATURING ECO-FRIENDLY, SUSTAINABLE, AND MACHINE WASHABLE FEATURES.



BASE LAYER
BLENDED



MACHINE WASHABLE



RENEWABLE



STRENGTH



DURABILITY

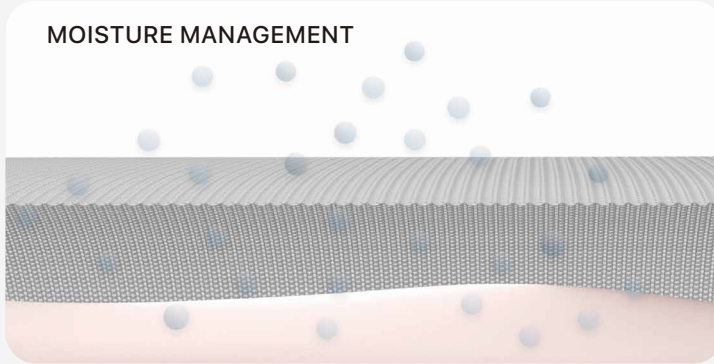


PASSION

Nm 1/50 | 1/60

60% Extrafine Merino Wool 19.5MIC
40% 2D Coolmax

MOISTURE MANAGEMENT

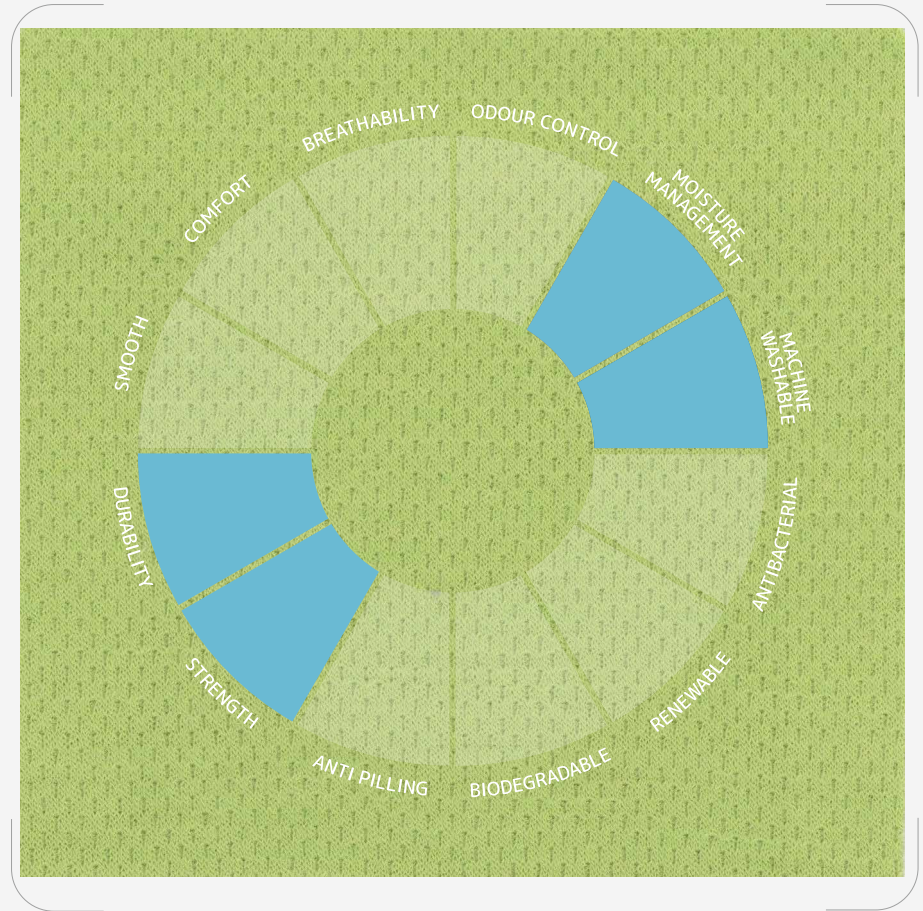


MOISTURE WICKING AND COMFORTABLE TO WEAR, MAKING THE WEARER FEEL DRY AND COMFORTABLE EVEN AFTER A LOT OF EXERCISE. MACHINE WASHABLE.

Sustaina**WOOL**[™]
INTEGRITY SCHEME



BASE LAYER
BLENDED



MOISTURE
MANAGEMENT



MACHINE
WASHABLE



DURABILITY



STRENGTH

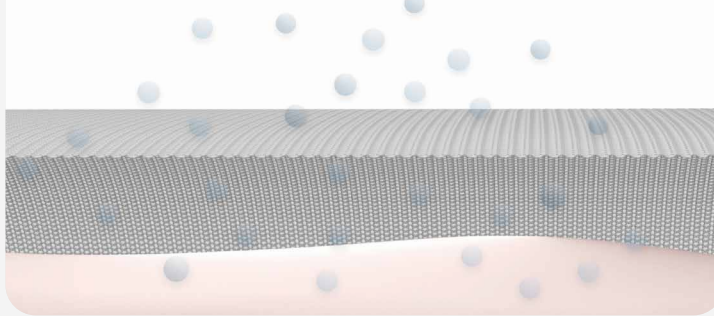


MERINO-37.5

Nm 1/50

55% Extrafine Merino Wool 19.5MIC
45% 2.5D Cocona-37.5Polyester

MOISTURE MANAGEMENT

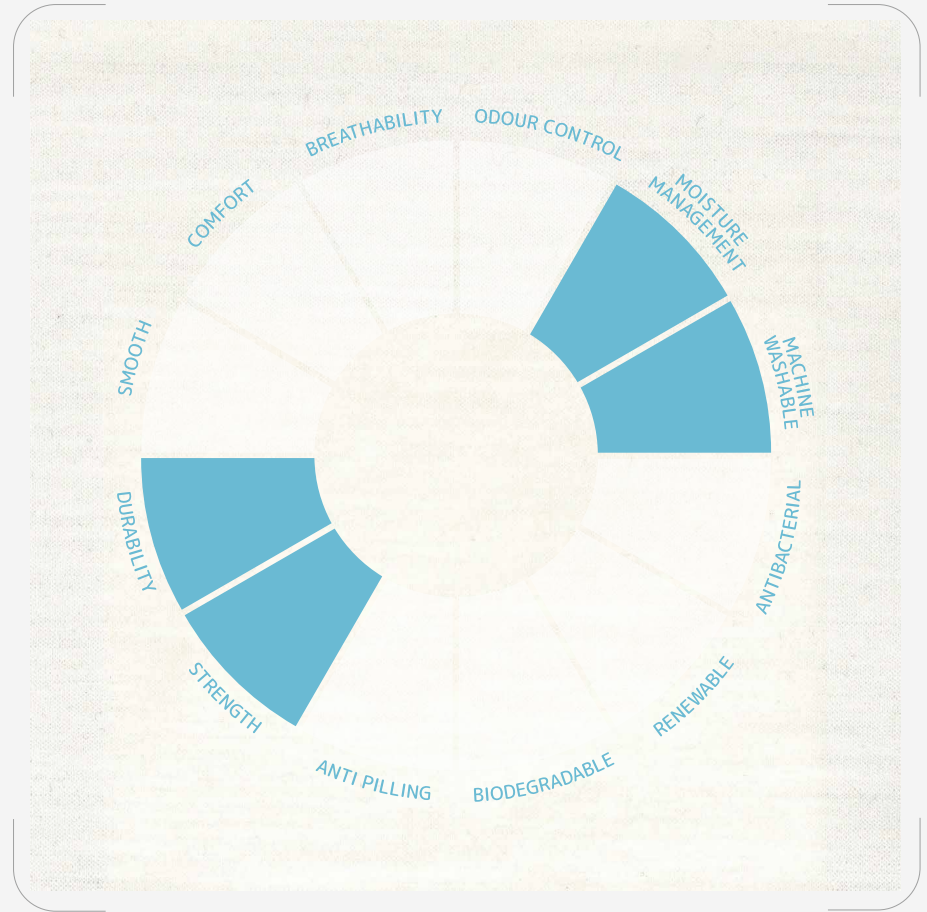


MOISTURE ABSORPTION AND SWEATING CAN ENSURE THAT THE WEARER'S HUMAN BODY TEMPERATURE IS STILL COMFORTABLE WHEN THE EXTERNAL ENVIRONMENT IS OVERHEATED OR TOO COLD. MACHINE WASHABLE.

Sustaina**WOOL**[™]
INTEGRITY SCHEME



BASE LAYER
BLENDED



MOISTURE
MANAGEMENT



MACHINE
WASHABLE



STRENGTH



DURABILITY

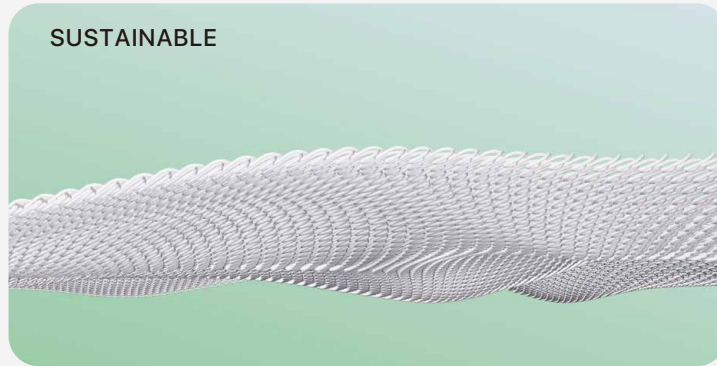
OUTBOUND



Nm 1/60

50% Extrafine Merino Wool 19.5MIC
50% 2D Biodegradable Polyester

SUSTAINABLE



Sustaina**WOOL**[™]
INTEGRITY SCHEME

BIODEGRADABLE, ENVIRONMENTALLY FRIENDLY, SUSTAINABLE, AND MACHINE WASHABLE.



BASE LAYER
BLENDED



MACHINE WASHABLE



BIODEGRADABLE



STRENGTH



DURABILITY

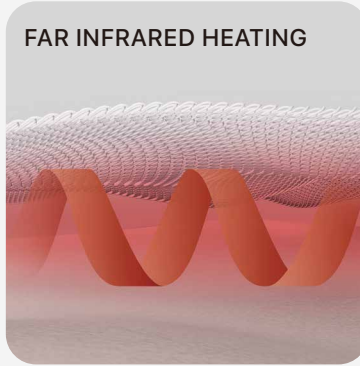


SUSTAINABLE

HYGRO

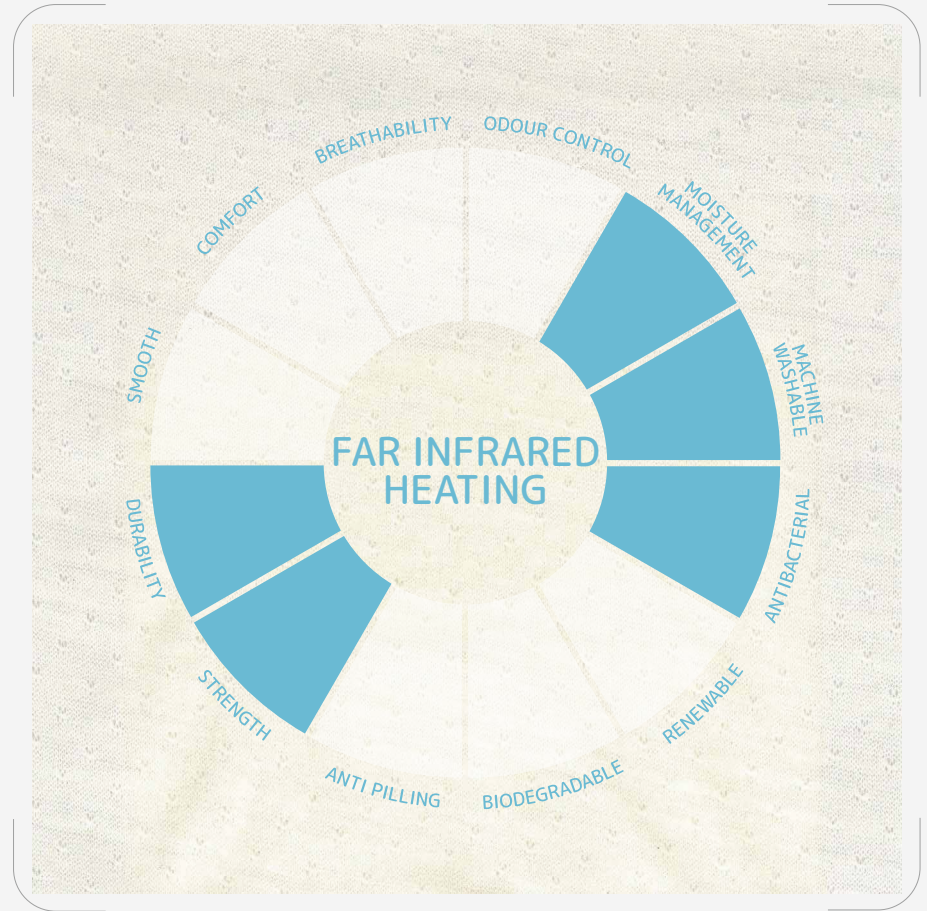
Nm 1/50 | 1/60

60% Extrafine Merino Wool 18.5MIC
40% 2D Polyester Genomex™



MOISTURE ABSORPTION AND SWEAT WICKING, ANTIBACTERIAL, FAR INFRARED HEALTH, MACHINE WASHABLE.

BASE LAYER
BLENDED



MOISTURE
MANAGEMENT



MACHINE
WASHABLE



ANTIBACTERIAL



DURABILITY

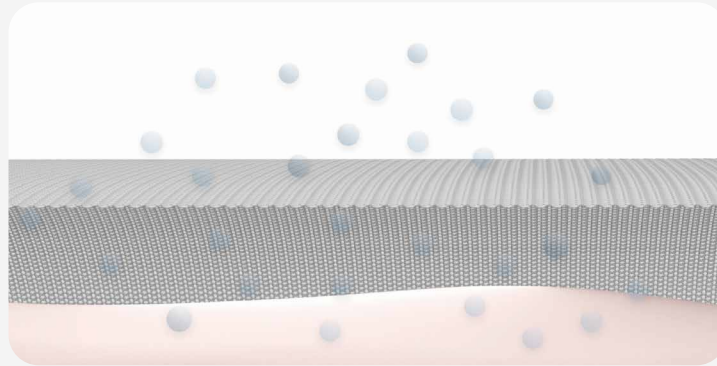


STRENGTH

JUNGLE

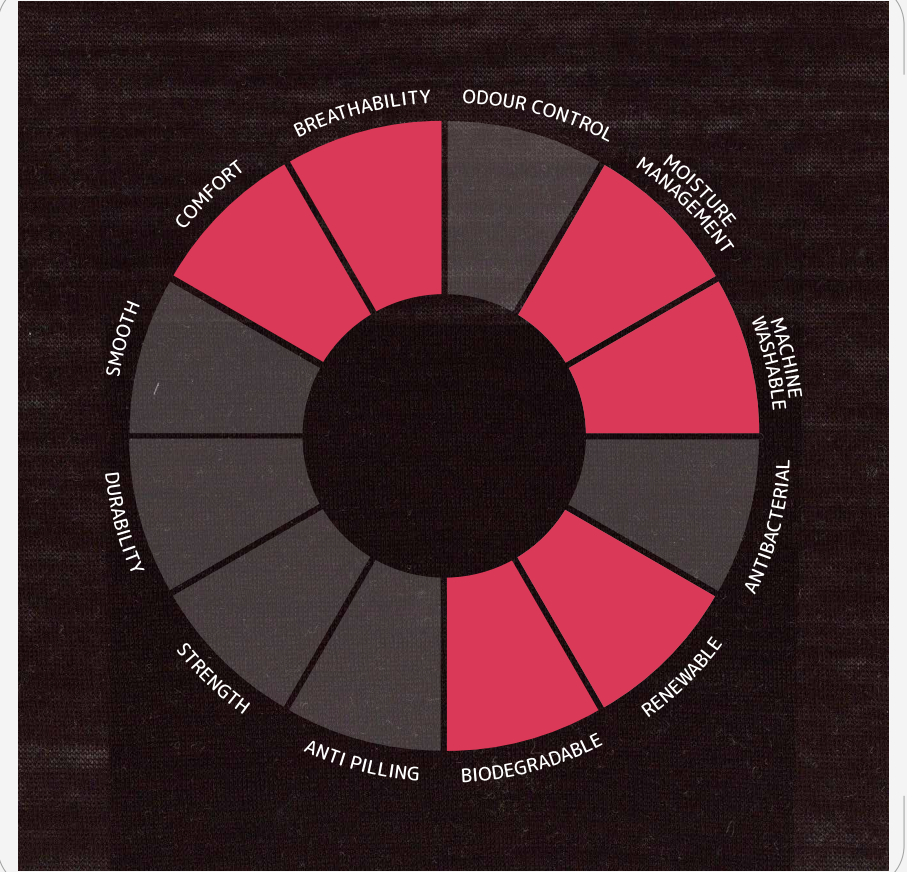
Nm 1/72

40% Ultrafine Merino Wool 17.5MIC
60% 1.5D Lyocell S,Z



SOFT, PENDULOUS, WITH AN ELEGANT AND DELICATE LUSTER; AND IT HAS GOOD MOISTURE ABSORPTION, BREATHABILITY, AND QUICK DRYING. MACHINE WASHABLE.

BASE LAYER
SEAMLESS



COMFORT



BREATHABILITY



MOISTURE
MANAGEMENT



MACHINE
WASHABLE



RENEWABLE



BIODEGRADABLE

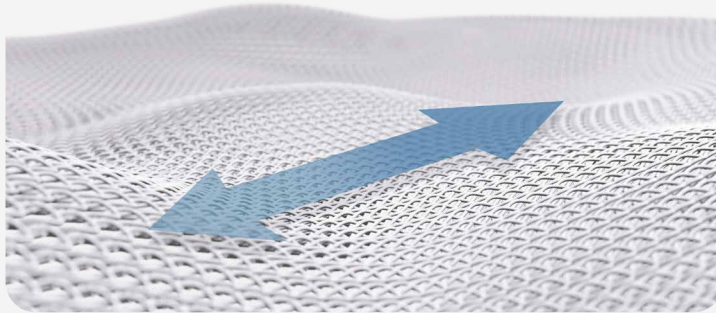


FLEXI

Nm 1/80

80% Ultrafine Merino Wool 16.5MIC
20% 2D Nylon S,Z

STRENGTHNESS

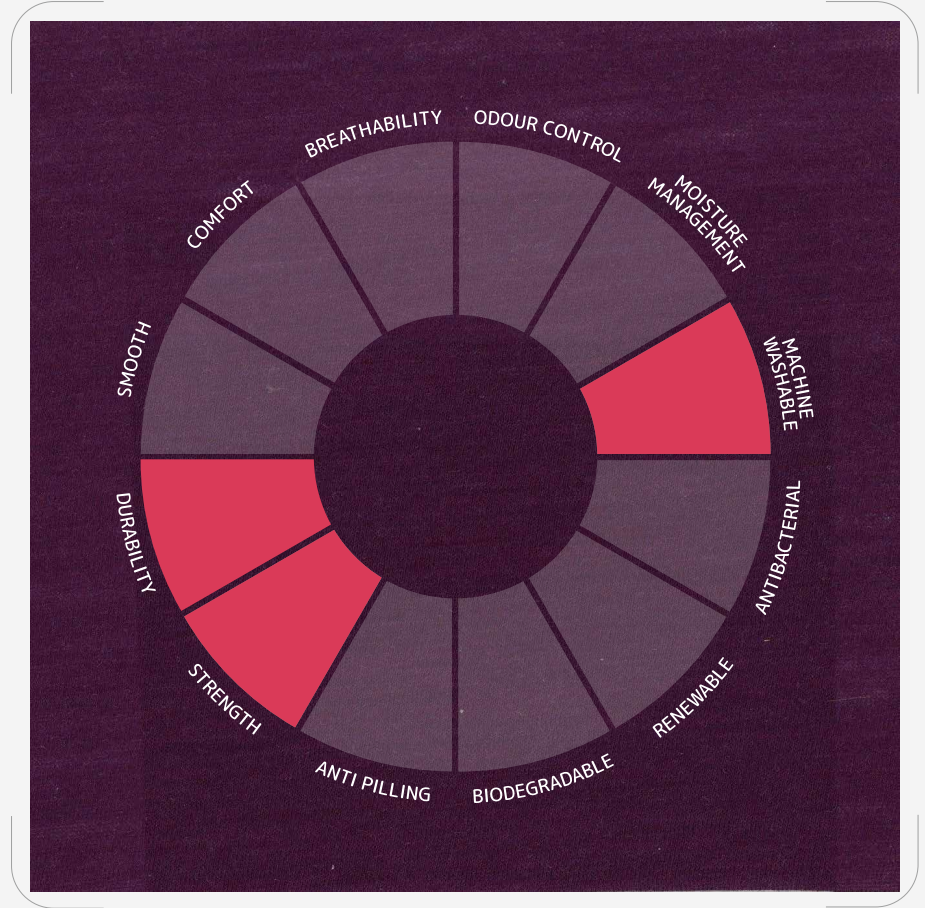


Sustaina**WOOL**[™]
INTEGRITY SCHEME



SOFT, BREATHABLE, PROVIDING THE WEARER WITH A COMFORTABLE WEARING EXPERIENCE OF SOFTNESS, MOISTURE ABSORPTION, BREATHABILITY, AND ODOR SUPPRESSION. MACHINE WASHABLE

BASE LAYER
SEAMLESS





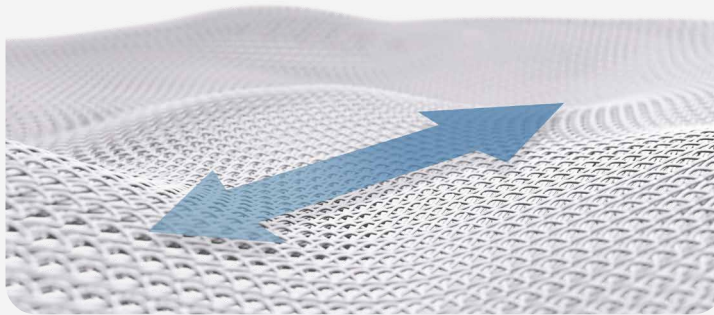
DURA DYE

Nm 1/80

50% Extrafine Merino Wool 18.5MIC

50% Post-consumer Recycled PolyesterS,Z

STRENGTHNESS



GOOD BURSTING STRENGTH, CAN BE USED FOR YARN DYEING AND MACHINE WASHABLE.



BASE LAYER
SEAMLESS



MACHINE WASHABLE



RENEWABLE



STRENGTH



DURABILITY

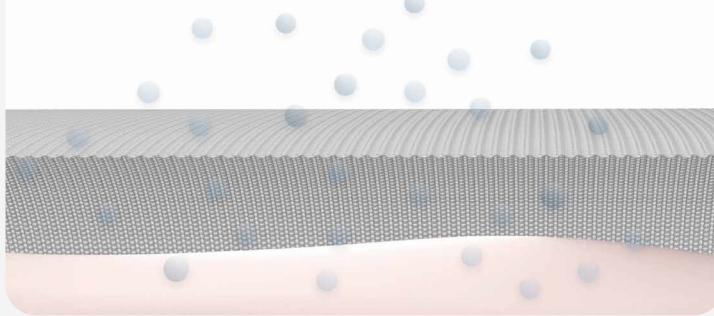


AGILE

Nm 1/72

50% Extrafine Merino Wool 18.5MIC
50% ThermoCool S,Z

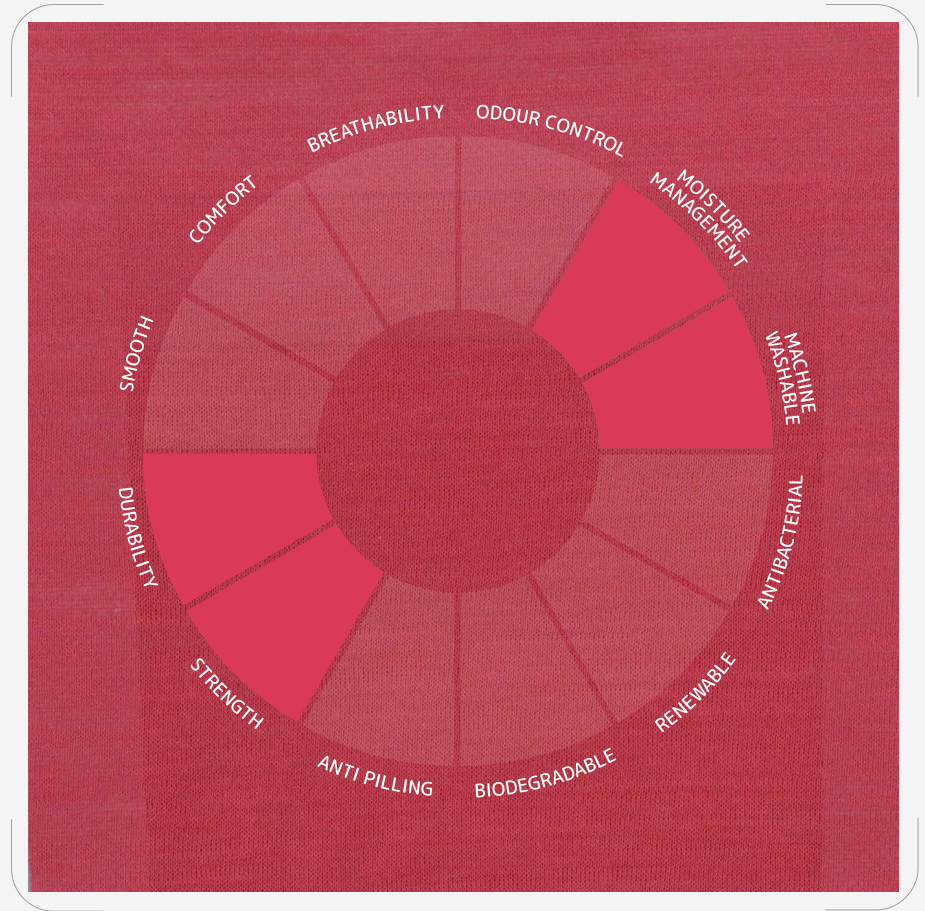
MOISTURE MANAGEMENT



IT HAS EXCELLENT MOISTURE ABSORPTION AND SWEAT WICKING EFFECT, WHICH CAN KEEP THE WEARER COMFORTABLE AND DRY. MACHINE WASHABLE.



BASE LAYER
SEAMLESS



MOISTURE
MANAGEMENT



MACHINE
WASHABLE



DURABILITY



STRENGTH

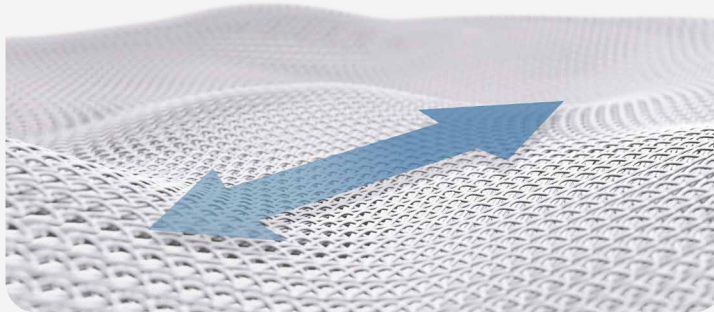


ACTION

Nm 1/85

80% Ultrafine Merino Wool 16.5MIC
20% 20D/7F Nylon S,Z core-spun

STRENGTHNESS

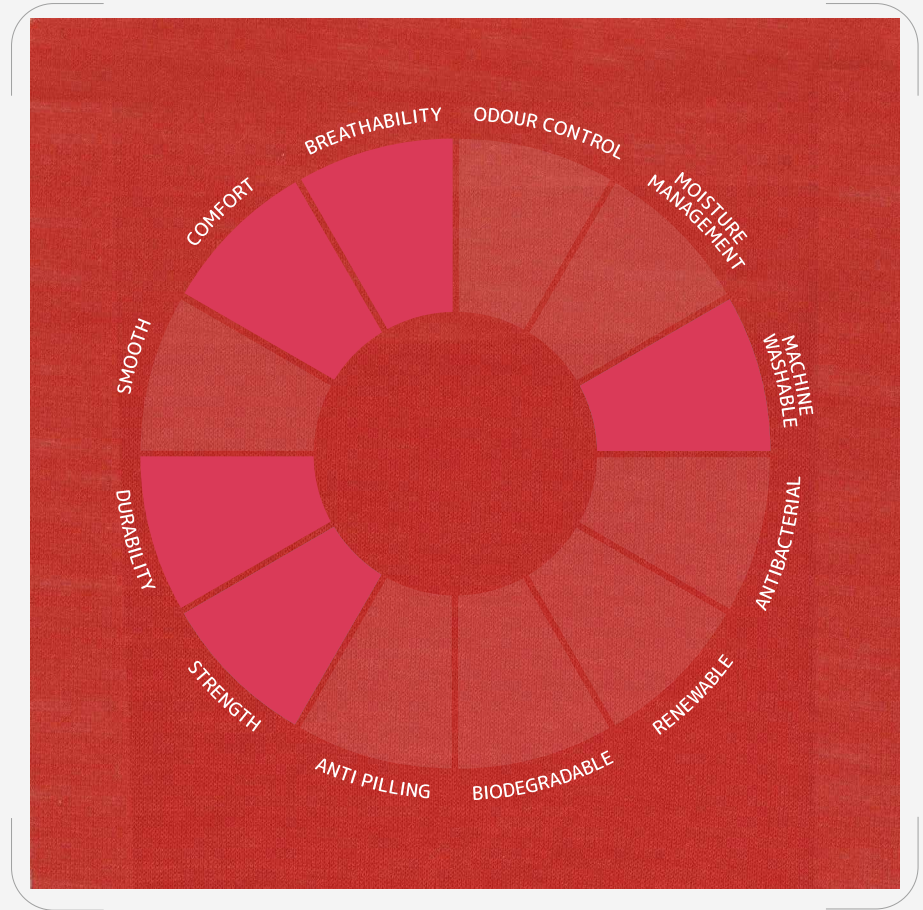


Sustaina**WOOL**[™]
INTEGRITY SCHEME

ADOPTING THE LATEST CORE-SPINNING TECHNOLOGY, IT IS SOFT AND COMFORTABLE TO WEAR, WITH MOISTURE ABSORPTION AND BREATHABILITY, AND CAN MAINTAIN A DRY AND COMFORTABLE WEARING EXPERIENCE. MACHINE WASHABLE.



BASE LAYER
SEAMLESS



COMFORT



BREATHABILITY



MACHINE WASHABLE



STRENGTH



DURABILITY

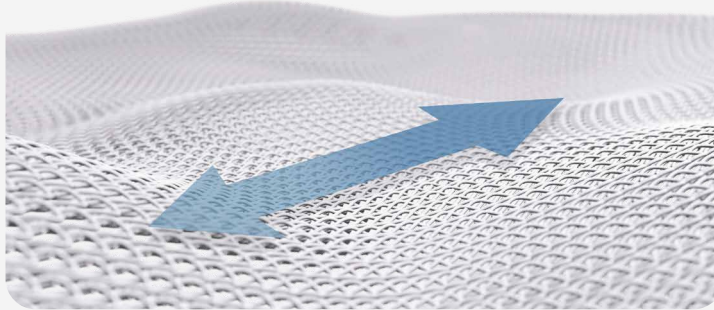


SYRO

Nm 1/80

82% Ultrafine Merino Wool 17.5MIC
18% 20D/24F Pre-consumer Recycled Nylon S,Z sirofil-spun

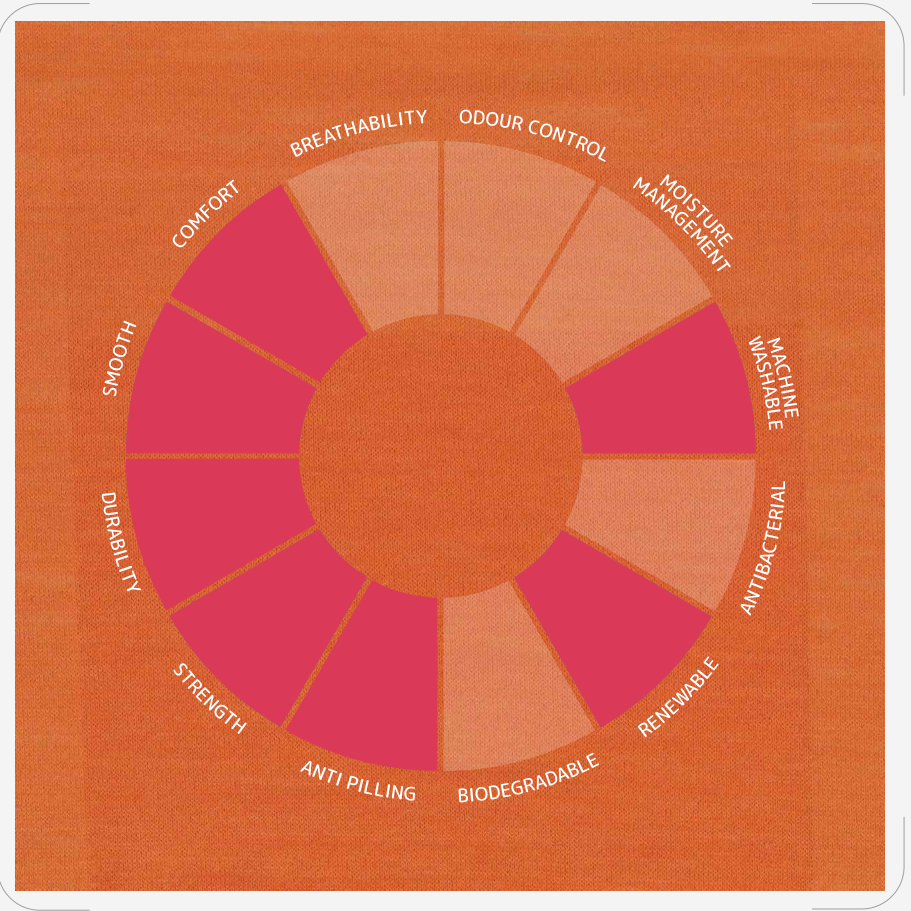
STRENGTHNESS



ADOPTING THE SIROFIL-SPUN TECHNOLOGY, THE YARN HAS HIGH STRENGTH AND CERTAIN RESISTANCE PILLING RESISTANCE, THE FABRIC AND CLOTHING MADE OF IT ARE MORE DURABLE, AND THE FABRIC SURFACE IS SMOOTH AND CLEAN. MACHINE WASHABLE.



BASE LAYER
SEAMLESS



SMOOTH



COMFORT



MACHINE WASHABLE



RENEWABLE



ANTI-PILLING



STRENGTH



DURABILITY

VOLUME 3

MID LAYER

100% MERINO	Easy care	100% Extrafine Merino Wool 19.5MIC	2/30, 2/36, 2/48	Machine washable
	Eco	100% Extrafine Merino Wool 19.5MIC	2/30, 2/36, 2/48	Machine washable Sustainable
	Armour	100% Extrafine Merino Wool 19.5MIC	2/30, 2/48	Machine washable Waterproof
X-SPUN	Nexus-E	90% Extrafine Merino Wool 19.5MIC 10% 20D/9F PBT core-spun	2/48	Machine washable Stretch recovery
BLENDED	Revive	60% Extrafine Merino Wool 19.5 MIC 40% 2.35D Acetate Naia™ Renew	2/30, 2/48	Machine washable Sustainable
	Hope-E	45% Extrafine Merino Wool 19.5MIC 55% 2.5D Post-consumer Recycled Polyester	2/48	Machine washable Sustainable Durable
	Remake	60% Extrafine Merino Wool 19.5MIC 40% 3D Post-consumer Recycled Nylon	2/30, 2/48, 2/60	Machine washable Sustainable Durable
	Remix	50% RWS Extrafine Merino Wool 19.5 MIC 30% 2.5D Post-consumer Recycled Polyester 20% 3D Post-consumer Recycled Polyamide	2/28, 2/36	Machine washable Sustainable Durable
	Restart	50% Extrafine Merino Wool 19.5 MIC 30% 3D Post-consumer Recycled Polyamide 20% SUPIMA Cotton	2/28	Machine washable Sustainable Durable
	Hamlet	45% Extrafine Merino Wool 19.5MIC 55% 2D THERMOCOOL	2/30, 2/48	Machine washable Durable Moisture management Light weight
	Santiago	45% Extrafine Merino Wool 19.5MIC 55% 2.2D Trevera® polyetser	2/30, 2/48	Machine washable Durable Moisture management Breathability
	Durable	80% Pure new wool 22.6MIC 20% 3D Nylon	2/28	Machine washable Durable

VOLUME 3

MID LAYER

Merino wool provides protection both in cold and hot climatic conditions, after all, sheep thrive quite happily in the Australian outback where temperatures of +40°C are not uncommon, and likewise, sheep survive in extremely wintry conditions during Russian winters.

In wintry conditions, wool has excellent insulation properties, due to the presence of crimp in the fibre which entraps air. In hot sunny climates, wool not only offers good protection against harmful UV, a property which has evolved over thousands of years, wool is able to absorb humidity produced by the body and release it to the atmosphere prevent the wearer from feeling clammy and uncomfortable.

Xinao offers a wide range machine knitting yarns for flat-bed knitting in different counts (Nm) designed and engineered to produce mid and outer layers and accessories. These yarns are made from 100% Merino wool, or in Merino wool blends with other fibres to provide enhanced functionality, performance, which includes water repellency, durability and easy care.

100% merino wool

For base layer clothing and accessories, Merino wool offers excellent comfort, high breathability, good thermoregulation and excellent odor control. This makes it the most suitable fiber for being in contact with the skin.



blended

Merino wool is blended with other functional fibers to preserve the naturalness and comfort of wool while giving the yarn more functionality, such as moisture management, antibacterial, etc.

X SPUN

It is a collective name for three different spinning methods, they are:



CORE SPUN



WARP SPUN



SIROFIL SPUN

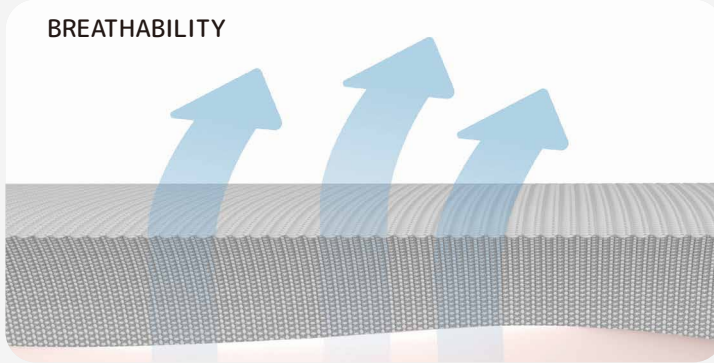


EASY CARE

Nm 2/30 | 2/36 | 2/48

100% Extrafine Merino Wool 19.5MIC

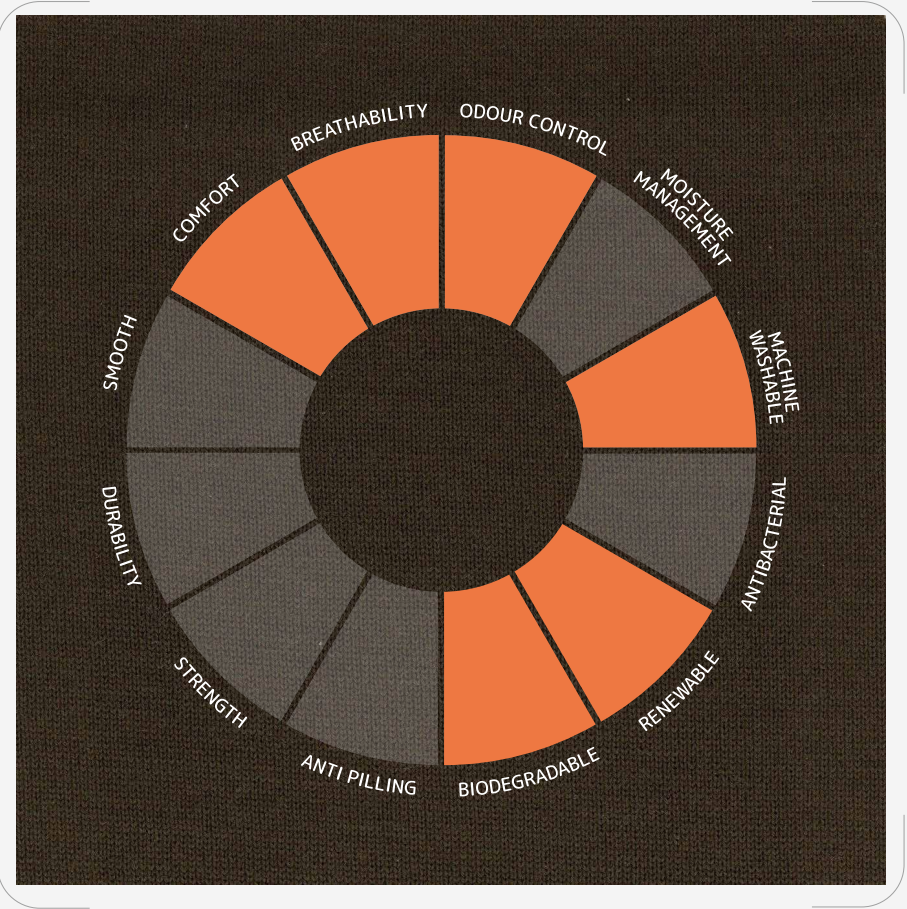
BREATHABILITY



MACHINE WASHABLE, AFTER MULTIPLE WASHES, IT DOES NOT SHRINK, DISCOLOR OR FADE. RAW WHITE YARN IS HELD IN STOCK.



MID LAYER
100% MERINO



COMFORT



BREATHABILITY



ODOUR CONTROL



MACHINE WASHABLE



RENEWABLE



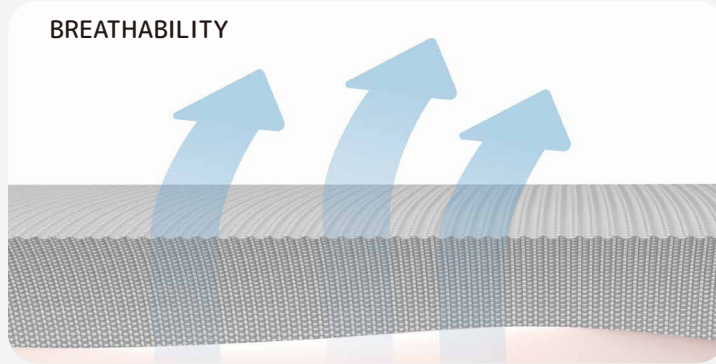
BIODEGRADABLE



ECO

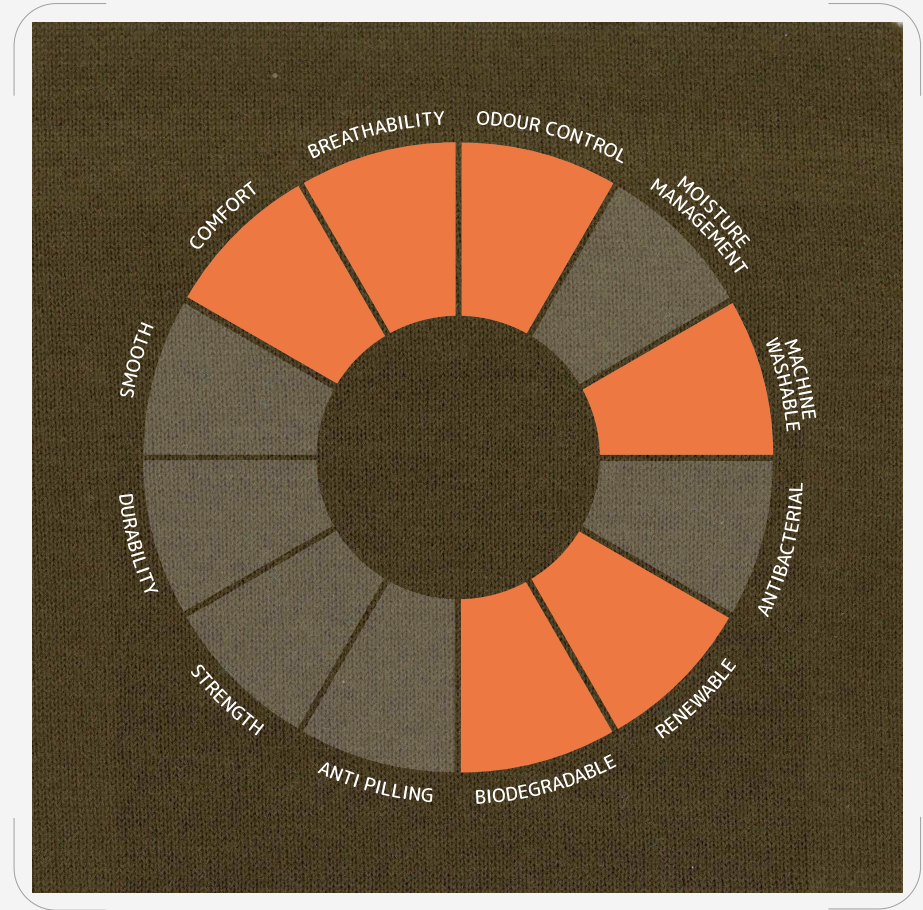
Nm 2/30 | 2/36 | 2/48

100% Extrafine Merino Wool 19.5MIC



MACHINE WASHABLE, USING HYDROGEN PEROXIDE CHLORINE FREE AND SHRINK RESISTANT TREATMENT TECHNOLOGY (CL-F1), DURING THE TREATMENT PROCESS, THERE IS NO CHLORINE AND NO ORGANIC HALOGEN IN THE WASTEWATER, SO AOX (ADSORBABLE HALOCARBON) WILL NOT BE PRODUCED IN THE WASTEWATER. ECOLOGICAL AND ENVIRONMENTAL PROTECTION.

MID LAYER
100% MERINO



COMFORT



BREATHABILITY



ODOUR CONTROL



MACHINE WASHABLE



RENEWABLE



BIODEGRADABLE

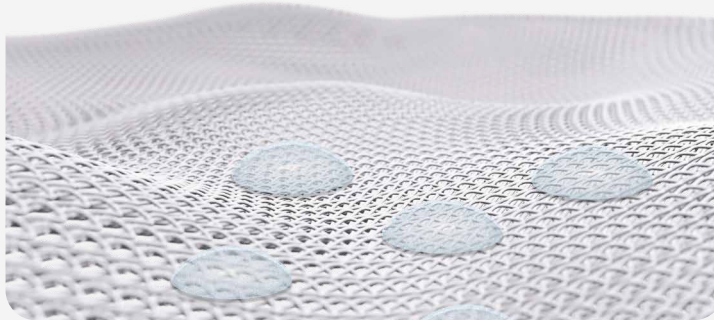


ARMOUR

Nm 2/30 | 2/48

100% Extrafine Merino Wool 19.5 MIC

WATERPROOF

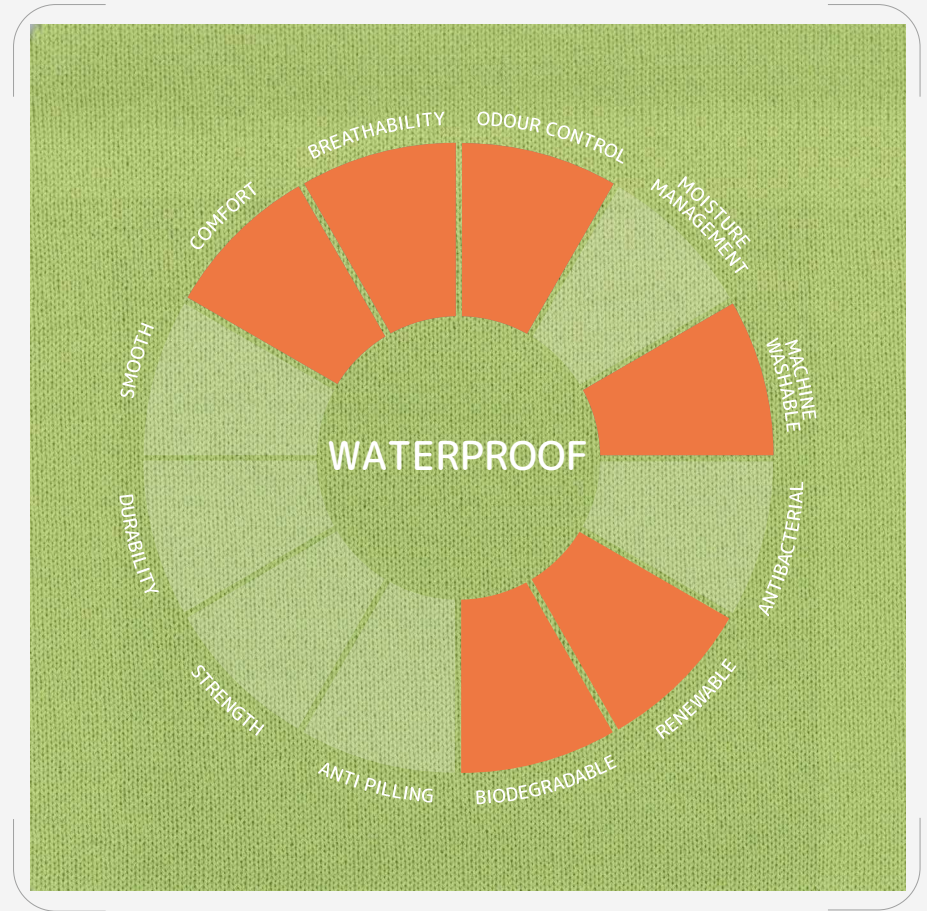


Sustaina**WOOL**
INTEGRITY SCHEME



THE YARN IS TREATED WITH WATERPROOF ADDITIVES TO PREVENT RAIN, HAIL, AND SNOW IN NATURAL ENVIRONMENTS. MACHINE WASHABLE.

MID LAYER
100% MERINO



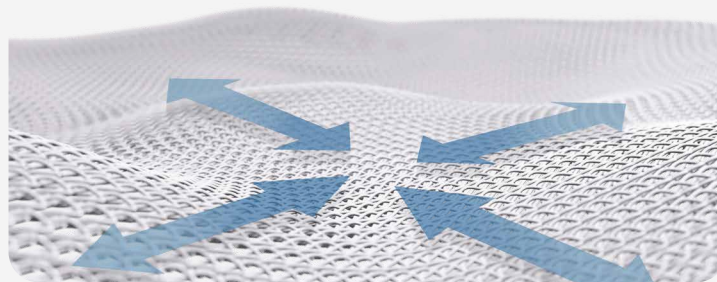


NEXUS-E

Nm 2/48

90% Extrafine Merino Wool 19.5MIC
10% 20D/9F PBT, Core-Spun

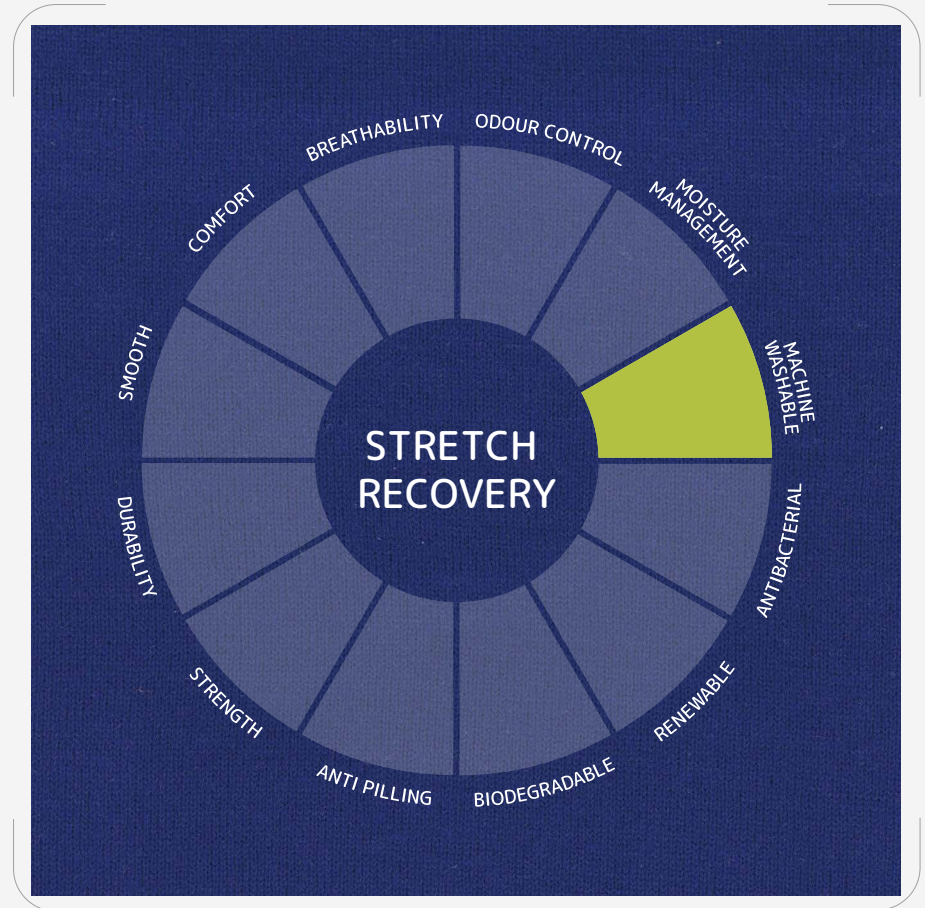
STRETCH RECOVERY



ADOPTING THE LATEST CORE SPINNING TECHNOLOGY, IT IS MADE BY WRAPPING WOOL ON THE SURFACE OF PBT FILAMENT. PBT IS A SPECIAL ELASTIC FIBER, WHICH MAKES THE YARN HAVE EXCELLENT ELASTIC RECOVERY. MACHINE WASHABLE.



MID LAYER
X-SPUN

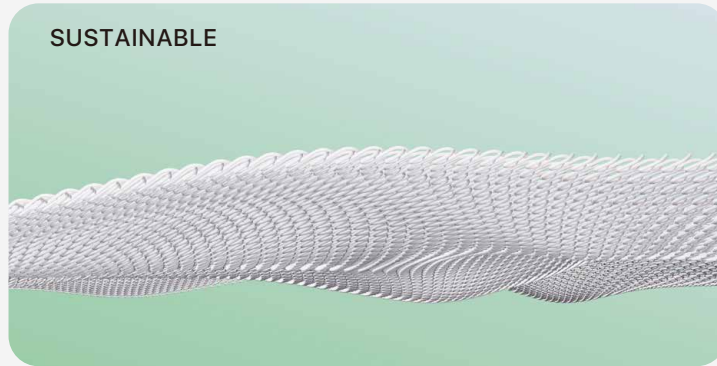




REVIVE

Nm 2/30 Nm 2/48

60% Extrafine Merino Wool 19.5 MIC
40% 2.35D Acetate Naia™ Renew



MACHINE WASHABLE, ECO-FRIENDLY, REDUCES CARBON EMISSIONS, SAVES ENERGY AND WATER.



MID LAYER
BLENDED



BREATHABILITY



MACHINE WASHABLE



RENEWABLE



BIODEGRADABLE



SUSTAINABLE



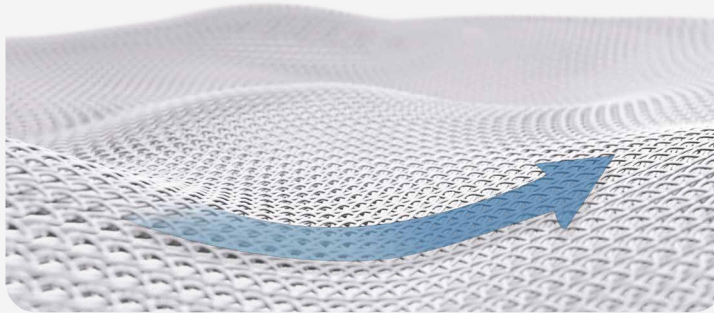
HOPE-E

Nm 2/48

45% Extrafine Merino Wool 19.5MIC
55% 2.5D Post-consumer Recycled Polyester



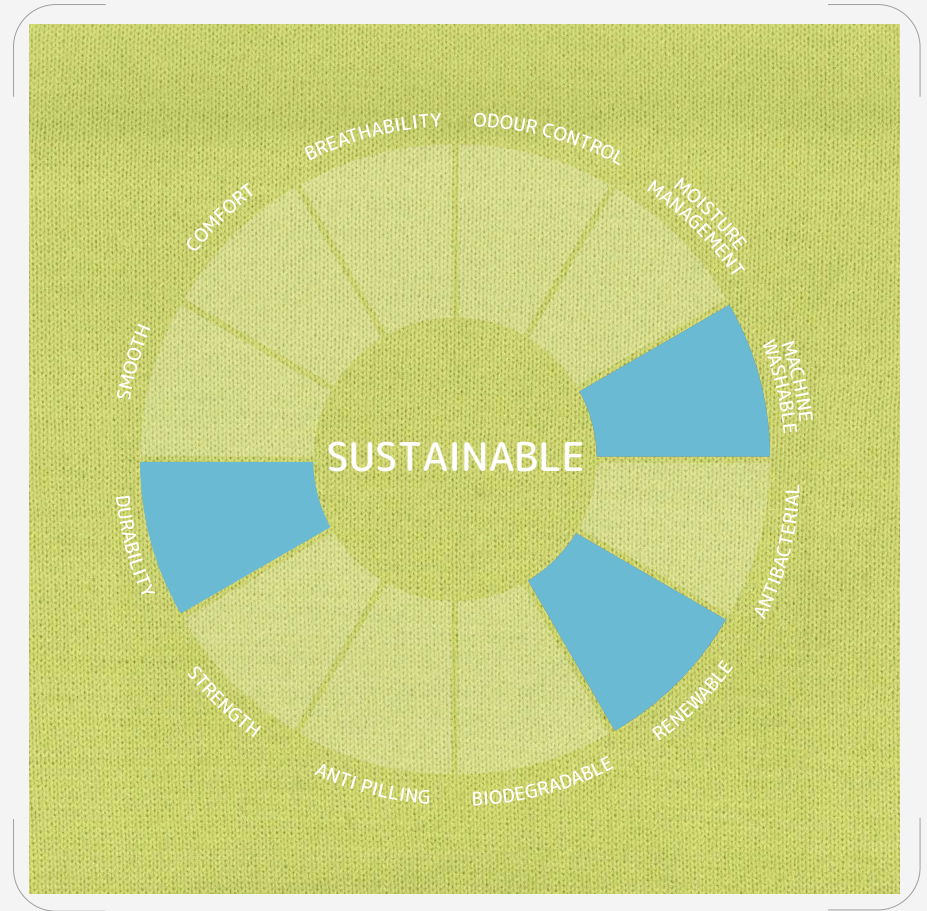
DURABILITY



MACHINE WASHABLE, ECO-FRIENDLY, AND WOOL SHRINK-PROOF TREATMENT ADOPTS A NEW CHLORINE FREE SHRINKPROOF TECHNOLOGY. AFTER BLENDING CHLORINE FREE SHRINKPROOF WOOL WITH RECYCLED POLYESTER, IT IS MORE ENVIRONMENTALLY FRIENDLY.



MID LAYER
BLENDED



MACHINE WASHABLE



RENEWABLE



DURABILITY



SUSTAINABLE



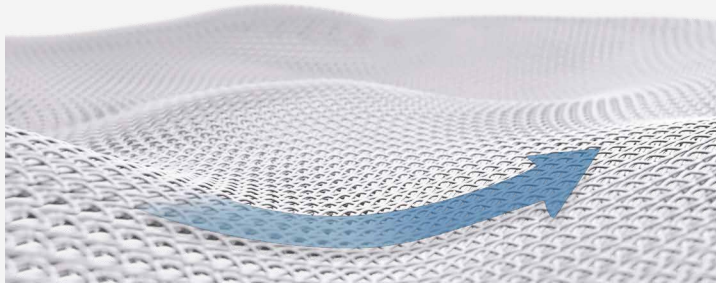
REMAKE

Nm 2/30 | 2/48 | 2/60

60% Extrafine Merino Wool 19.5MIC
40% 3D Post-consumer Recycled Nylon



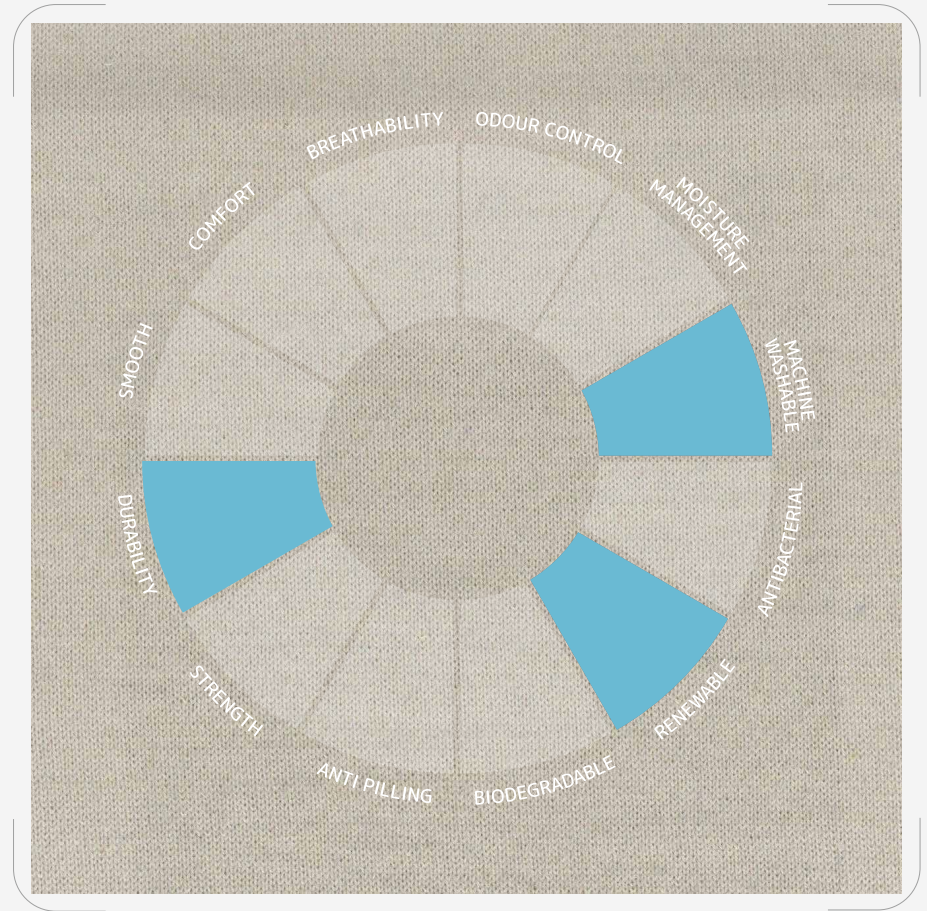
DURABLE



RECYCLING NYLON FROM ABANDONED FISHING NETS IN THE DEEP SEA, REMAKE REDUCES CARBON EMISSIONS, SAVES ENERGY AND WATER. GRS CERTIFICATE CAN BE PROVIDED. MACHINE WASHABLE.



MID LAYER
BLENDED



MACHINE WASHABLE



RENEWABLE



DURABILITY



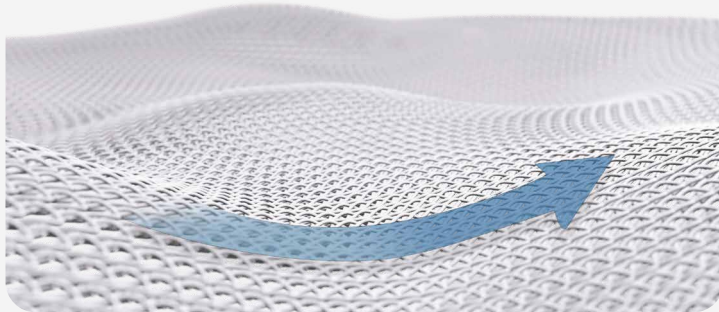
REMIX

Nm 2/28 | 2/36

50% RWS Extrafine Merino Wool 19.5 MIC
30% 2.5D Post-consumer Recycled Polyester
20% 3D Post-consumer Recycled Polyamide



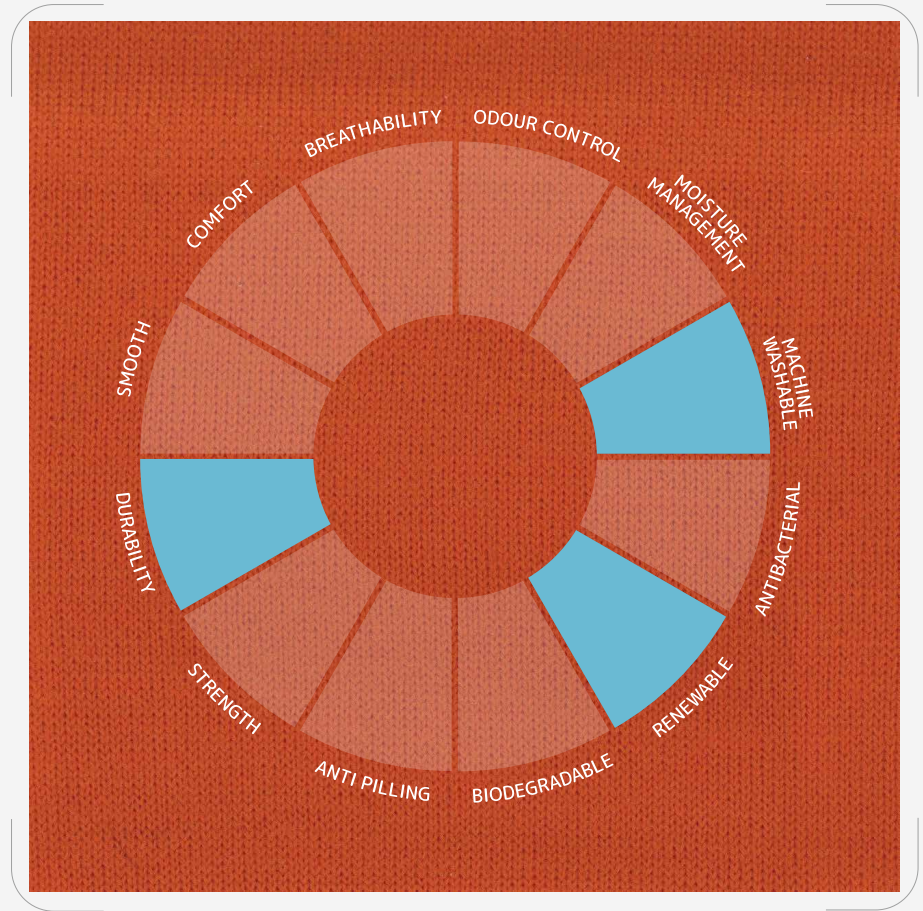
DURABILITY



MACHINE WASHABLE, ECO-FRIENDLY, REDUCES CARBON EMISSIONS, SAVES ENERGY AND WATER.



MID LAYER
BLENDED



MACHINE WASHABLE



RENEWABLE



DURABILITY

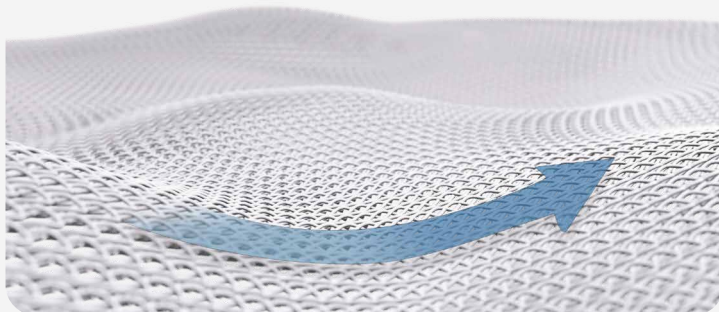
RESTART

Nm 2/28

50% Extrafine Merino Wool 19.5 MIC
30% 3D Post-consumer Recycled Polyamide
20% SUPIMA Cotton



DURABILITY



MACHINE WASHABLE, ECO-FRIENDLY, REDUCES CARBON EMISSIONS, SAVES ENERGY AND WATER.

MID LAYER
BLENDED



MACHINE WASHABLE



RENEWABLE



DURABILITY



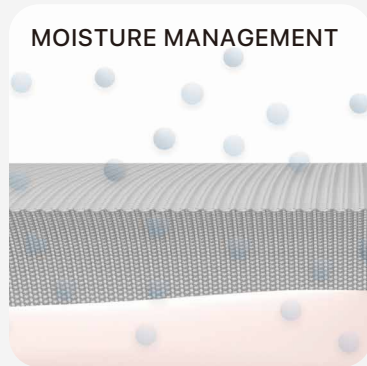
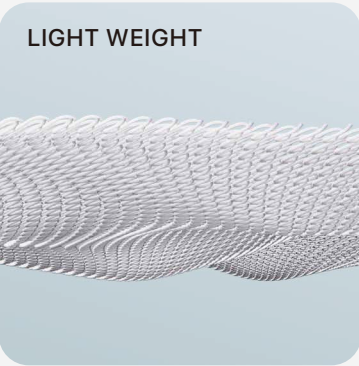
SUSTAINABLE



HAMLET

Nm 2/30 | 2/48

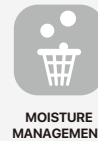
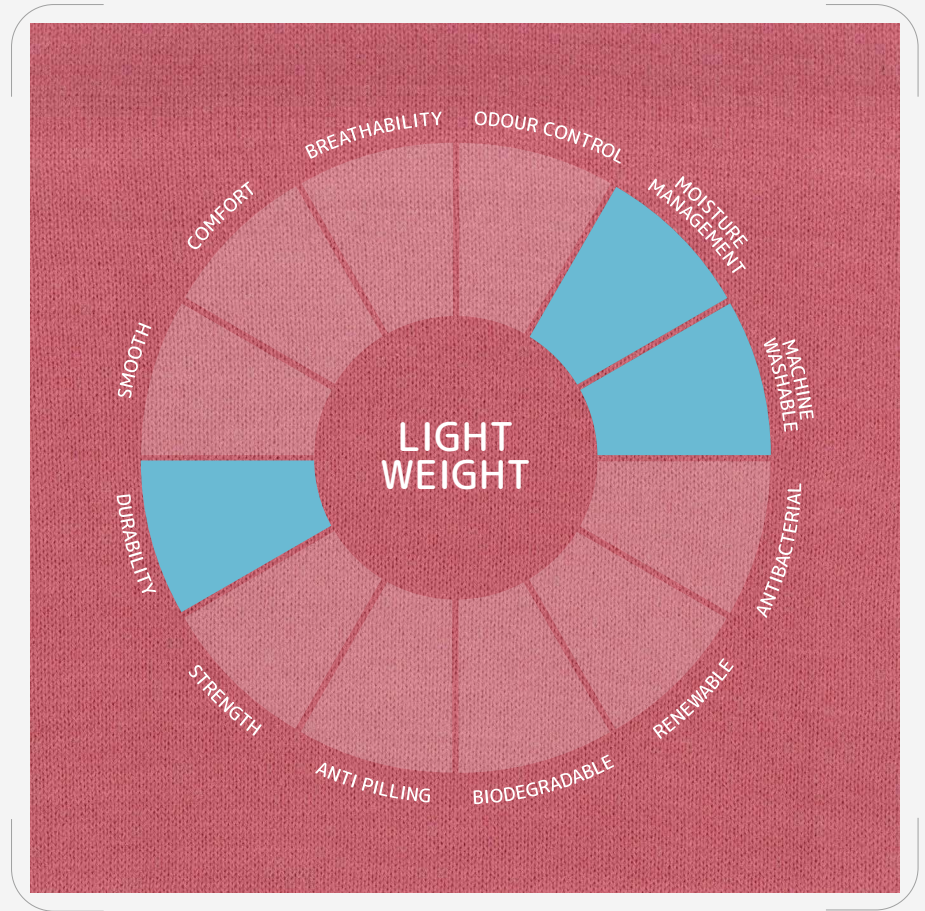
45% Extrafine Merino Wool 19.5MIC
55% 2D ThermoCool



MOISTURE WICKING , GOOD THERMAL INSULATING PROPERTY;
MACHINE WASHABLE.



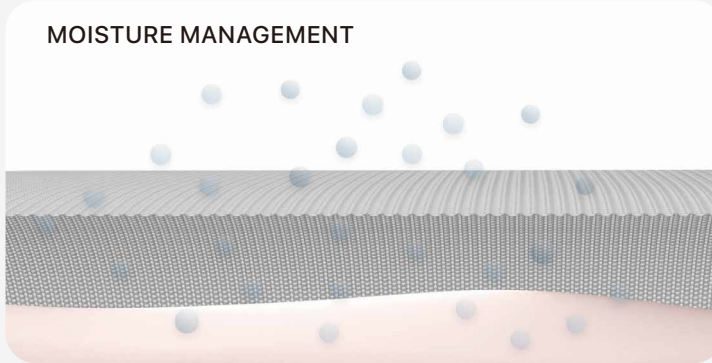
MID LAYER
BLENDED



SANTIAGO

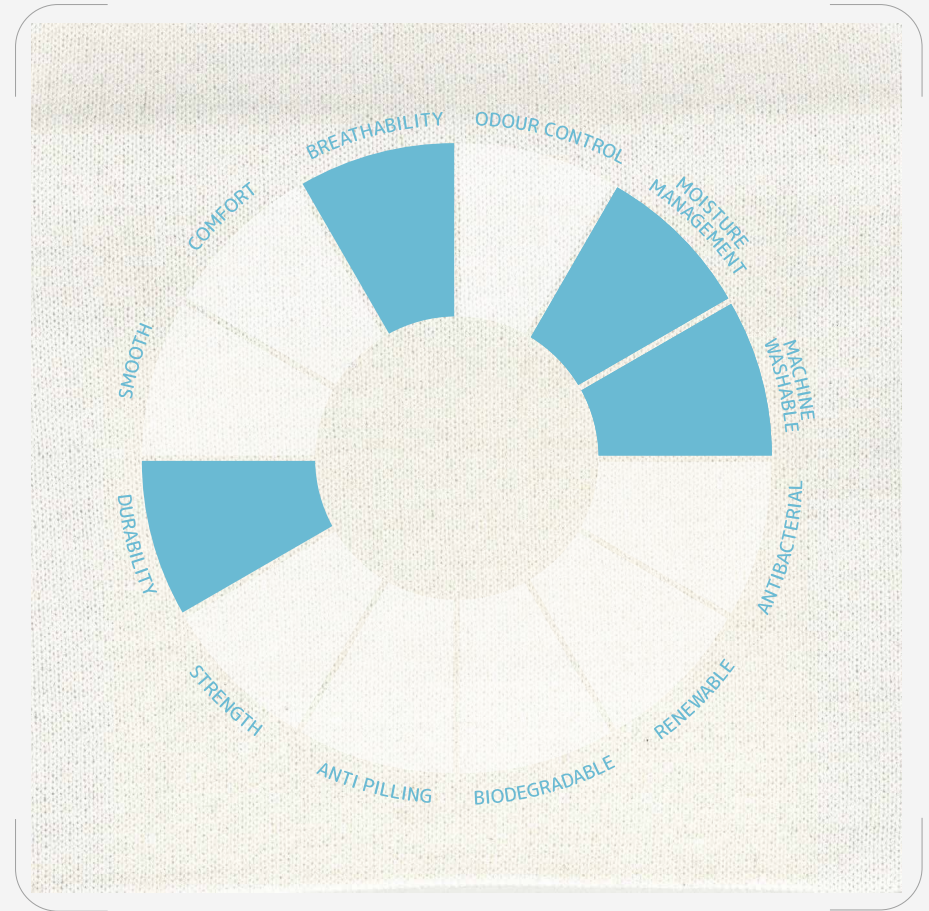
Nm 2/30 | 2/48

45% Extrafine Merino Wool 19.5MIC
55% 2.2D Trevera® Polyester



BREATHABLE, MOISTURE ABSORBING, QUICK DRYING, MACHINE WASHABLE.

MID LAYER
BLENDED



BREATHABILITY



MOISTURE
MANAGEMENT



MACHINE
WASHABLE



DURABILITY

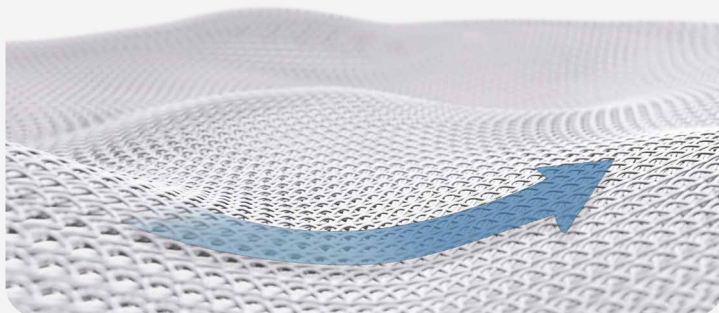


DURABLE

Nm 2/28

80% Pure New Wool 22.6MIC
20% 3D Nylon

DURABILITY

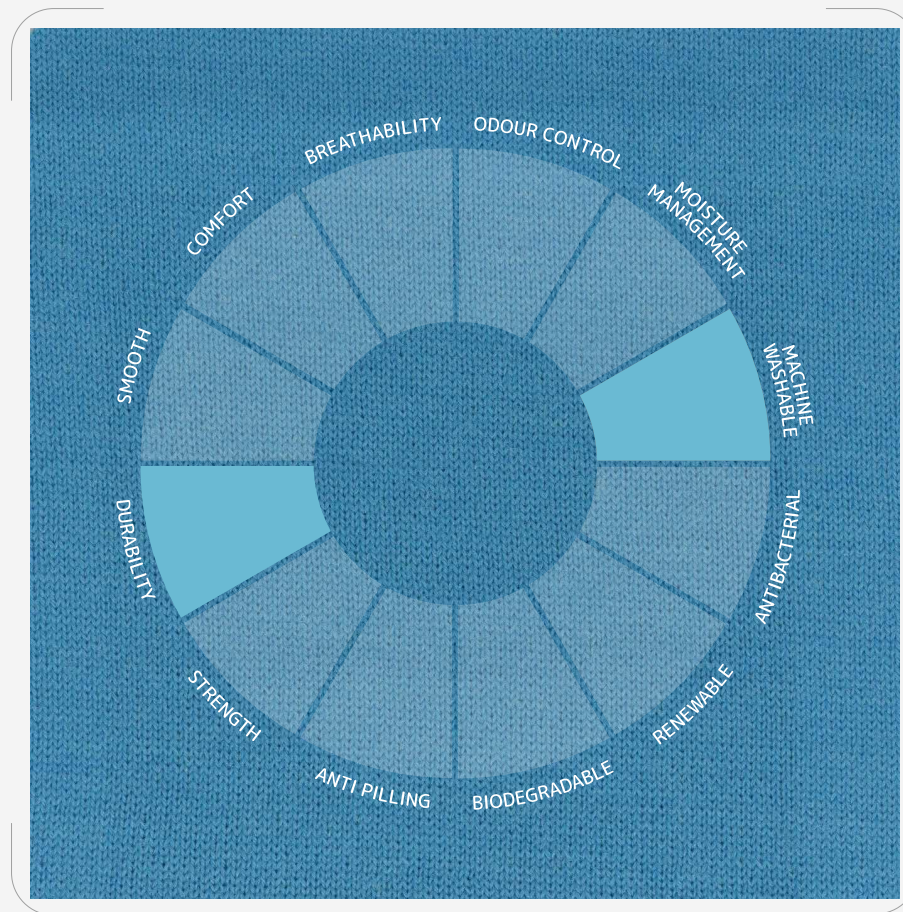


Sustaina**WOOL**[™]
INTEGRITY SCHEME

CLOTHING HAS GOOD WEAR RESISTANCE, LONG WEARING LIFE, AND IS MACHINE WASHABLE.



MID LAYER
BLENDED





STRETCH
RECOVERY



RENEWABLE



ANTI
PILLING



ODOUR
CONTROL



STRENGTH



ANTIBACTERIAL



MOISTURE
MANAGEMENT



SMOOTH



VISUAL
EFFECT



LIGHT WEIGHT



MACHINE
WASHABLE



BREATHABILITY



COMFORT



BIODEGRADABLE



WATERPROOF



SUSTAINABLE



FAR INFRARED



DRY EFFECT



DURABILITY



NATURAL