

SPRING / SUMMER 2023

# Fabric Hard Facts

## Active Knit

Double knitted fabric with superior stretch and recovery without the use of elastane fibers. A circular solution for your training wear.

- Origin: Japan
- 55% recycled polyester 45% polyester
- Weight 205 g/sqm
- Wicking finish
- Quick dry
- pH Pure™ treated
- Recyclable

## Activist TreeMerino™

Optimal organic solution for the future. Softer than plain merino and with effective moisture management.

- Origin: Sweden
- 60% merino wool 20µ, 40% lyocell TENCEL™
- Weight: 170 g/sqm
- Mulesing free merino wool from Australia and South Africa, lyocell TENCEL™ from Lenzing in Austria (with EU Ecolabel)
- AME traceable program
- Nature Texx Plasma treated for easy care with less chemicals
- Wool and cellulosic based renewable fiber
- Softer than plain merino
- Vapor and moisture management
- Next-to-skin comfort
- Mechanical stretch
- Naturally odor free
- Made from renewable and biodegradable fibers
- Recyclable

## Apex 3L Hardshell™

High density woven fabric with a smooth, abrasion resistant face and an ultra light friction free inside. Waterproof, breathable, with good abrasion resistance.

- Origin: Japan
- 70% Eco Circle® recycled polyester, 30% polyester face fabric
- Atmos™, 100% polyester membrane
- 100% polyester jersey backing fabric
- Weight: 195 g/sqm
- Breathability; 15,000 g/m2/24 hrs

- Waterproofness: 20,000 mm H2O or higher
- Water repellency treatment - PFAS free

## Atmos Membrane™

Atmos Membrane™ is a hydrophilic membrane, not micro porous, and at the molecular-level moisture moves through the fabrics. The more moisture that is in circulation the greater the ability of the membrane to move moisture away from your body. With Atmos we are sure we have a membrane that delivers Houdini standards when it comes to high performance in an environmentally sustainable way, which no other membrane at the market can live up to. Atmos membrane™ is made from recyclable polyester.

## Bluesign™

In our work to be as environmentally friendly as possible we have chosen to work with bluesign®. Houdini as a company are a bluesign®-partner and from now on, when we chose new suppliers, we make sure they are part of the bluesign® standard. The basic idea behind the bluesign® standard is to combine aspects of consumer safety, water and air emissions as well as occupational health in a single standard under the general objective of resource productivity. The bluesign® standard guarantees that along the complete production chain, products only contain components and pass through processes, that are harmless to people and the environment. The bluesign® standard considers all inputs, processes and technologies at their source.

## Cham TreeMerino™

This light chambray material in Merino wool and Tencel® mix gives you superior comfort and softness. The natural properties of the materials provides a light and cooling comfort for hot days with superior moisture management, but still keeps you warm when it gets chilly.

- Origin: Taiwan
- 51% lyocell TENCEL™ 49% merino wool 18.9µm
- Weight: 188 g/sqm
- Mulesing free merino wool from Australia, lyocell TENCEL™ from Lenzing in Austria (with EU Ecolabel)
- Natural vapor and moisture management
- Softer than plain merino
- Next-to-skin comfort
- Light and soft material
- Naturally odor free
- Made from renewable and biodegradable fibers
- Recyclable

## Coil TreeMerino™

TA comfortable terry fabric with all the good properties of wool combined with the softness of Tencel®. Perfect for everyday use.

- Origin: Sweden
- 60% merino wool 19,3µ, 40% lyocell Tencel®
- Weight: 230 g/sqm
- Mulesing free and traceable merino wool from Australia, lyocell Tencel® from Lenzing in Austria (with EU Ecolabel)
- AME traceable program
- Nature Texx Plasma treated for easy care
- Made from renewable and biodegradable fibers

## C9 Ripstop™

Ultra light yet durable woven fabric with fantastic breathability and next-to-skin comfort.

- Origin: Japan
- 100% recycled polyester
- Weight: 65 g/sqm
- Excellent air permeability
- Soft next-to-skin comfort
- Dull and silent surface
- DWR finish – Fluorocarbon-free
- Recyclable

## C9 Stretch™

A further development from C9 with mechanical stretch, light yet durable woven fabric with good breathability and next-to-skin comfort. Comfortable mechanical stretch fabric that is fully recyclable.

- Origin: Japan
- 50% recycled polyester, 50% polyester
- Weight: 67 g/sqm
- Excellent air permeability
- Soft next-to-skin comfort
- Dull and silent surface
- Mechanical stretch
- Water repellency treatment - PFAS free
- Recyclable

## Delta Base™

The ultimate synthetic base. Instant dry feeling, next-to-skin comfort and built-in stretch.

- Origin: Japan
- 63% polyester, 37% EcoCircle® recycled polyester
- Weight: 127 g/sqm
- Moisture management fibermix
- Wicking finish
- Textured delta fibers
- Mechanical stretch
- pH Pure™ treated
- Recyclable

## Econ Stretch™

Soft, supple and quick drying microfiber stretchfleece insulation with a smooth jersey face.

- Origin: Italy
- 94% recycled polyester, 6% elastane

- Weight: 250 g/sqm
- Excellent warmth-to-weight ratio
- Moisture management
- 4-way stretch
- Microfleece inside
- Jersey face
- Bluesign® certified

## Emergency 3L

Our lightest shell layer. This 3L shell is constructed to have ultimate performance of a waterproof breathable layer, with the lightness and comfort of a 1L. Packable to come along to all adventures.

- Origin: Japan
- Face: 100% recycled polyester jersey
- Atmos™, 100% polyester membrane
- Back: 100% recycled polyester tricot
- Weight: 71 g/sqm
- Breathability: 46,000 g/m2/24 hrs
- Waterproofness: 20,000 mm H2O or higher
- DWR finish – Fluorocarbon-free

## Flux Weave

A unique fabric with all the benefits of a synthetic performance fabric: It is light, stretchy, quick-drying and very tough. But it also has the touch and feel of a natural fabric: A living structure, softness and pleasant breathability.

- Origin: Japan
- 85% recycled polyester 15% polyester
- Weight: 160 g/sqm
- Wicking finish
- Quick dry
- Linen touch spun polyester
- Recyclable

## Immix Weave

Light yet highly durable polyester fabric with mechanical stretch. Perfect for garments where you need a tough fabric that can take a lot of wear and tear.

- Origin: Taiwan
- 75% recycled polyester 25% polyester
- Weight: 182 g/sqm
- Wicking finish
- Quick dry
- Mechanical stretch
- Bluesign® certified
- Recyclable

## Lambswool™

Natural organic fiber that provides a soft and warm feeling.

- Origin: Sweden
- 100% lambswool, Australia
- 19,5 Micron

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## Liquid Rock™

Ultralight yet extremely durable quick-drying stretch woven with fantastic breathability and cotton-like comfort.

- Origin: Taiwan
- 56% polyamide, 38% recycled polyamide, 7% elastane
- Weight: 107 g/sqm
- 2-way stretch
- Durable high density weave
- Peached finish with dull face
- Soft next to skin comfort
- Excellent air permeability
- Quick dry
- Bluesign® certified

## Lite Breather™

A plain woven fabric that gives you comfort next to skin.

- Origin: Taiwan
- 100% recycled polyester
- Weight: 79 g/sqm
- Excellent air permeability
- Soft touch
- Good moisture management
- Bluesign® certified
- Recyclable

## Loop Hardshell™

A durable fabric with mechanical stretch for high comfort. Tough and silent with a dull and smooth face. Waterproof, breathable, ripstop construction with good abrasion resistance.

- Origin: Japan
- Face: 70% recycled polyester, 30% polyester fabric
- Atmos™, 100% Polyester membrane
- Back: 100% polyester jersey fabric
- Weight: 169g/sqm
- Breathability: 20,000 g/m<sup>2</sup>Y24 hrs
- Waterproofness: 20,000 mm H<sub>2</sub>O or higher
- High density fibers for high durability
- Mechanical 2-way stretch
- DWR finish, Fluorocarbon-Free
- Bluesign® certified

## Metropolis Action Twill™

Soft and durable stretch twill with fantastic breathability, denim-look and cotton-like comfort.

- Origin: Taiwan
- 68% polyamide, 28% recycled polyester, 4% elastane
- Weight: 196 g/sqm
- 2-way stretch
- High density weave
- Peached finish with matte face

- Soft next-to-skin comfort
- Bluesign® certified

## Metropolis Stretch Twill™

Lightweight yet durable quick-drying stretch woven with fantastic breathability and cotton-like comfort.

- Origin: Japan
- 41% EcoCircle® recycled polyester, 38% polyester, 21% PTT stretch polyester
- Weight: 180 g/sqm
- 2-way stretch
- High density weave
- Peached finish with dull face
- Soft next to skin comfort
- Excellent air permeability
- Quick dry
- Recyclable

## Mission Hardshell

Waterproof and breathable 2,5L hardshell. A highly durable fabric that will keep you dry in any weather. Treated with a fluorocarbon free water repellent.

- Origin: Japan
- 100% recycled polyester
- Atmos™, 100% Polyester membrane
- Weight: 165 g/sqm
- Breathability: 20,000 g/m<sup>2</sup>Y24 hrs
- Waterproofness: 20,000 mm H<sub>2</sub>O or higher
- High durability
- DWR finish – Fluorocarbon-free
- Bluesign® certified
- Recyclable

## Motion Comfortshell™

Durable, yet lightweight and quickdrying softshell.

Water repellent and soft next-to-skin.

- Origin: Japan
- 75% recycled polyester 25% polyester
- Weight: 225 g/sqm
- 2-way stretch
- Durable high density face
- Good balance between wind resistance and air permeability
- Non-membrane
- Soft twill construction inside
- Moisture management performance
- DWR finish – Fluorocarbon-free
- Recyclable

## Octa C9 Softshell

This new softshell material is the perfect combination of

protection and permeability. Teijin OCTA fibers provides the optimal fiber cross-section for superior moisture transport and lightness.

- Origin: Japan
- Face: 100% recycled polyester
- Back: 57% recycled polyester, 43% polyester
- Weight: 150 g/sqm
- Wind resistant but still some air permeability
- Rapid moisture absorption
- Quick drying
- Excellent moisture transportation
- Good insulation
- DWR finish – Fluorocarbon-free
- Recyclable

## pH pure™

In perfect balance with your skin. Just like your skin, the pH level of our treated products are slightly acidic. Low pH-value results in an environment that prevents odor-causing bacteria. In partnership with your skin our products will stay fresh, selectively controlling bacterial growth causing odors and skin irritation while promoting beneficial bacteria. Durable, sustainable performance added at fiber level that won't get washed out. Making sure you stay fresh in a natural way.

## Polartec® Power Air Light

A new light fabric construction where fibers that trap warm air is encapsulated in small pockets. This creates a wonderfully warm and breathable fleece jacket that shed a fraction of the microplastic compared to a normal fleece. Light, durable and warming.

- Origin: USA
- Weight: 268 g/sqm
- 73% recycled polyester 27% elastomultiester
- 4-way stretch
- Insulating air capsulating technology
- Bluesign® certified
- Recyclable

## Polartec® Power Stretch Pro®

Soft and supple microfiber stretch fleece insulation with an instant dry feeling and a jersey face with superior durability.

- Origin: Italy
- 57% polyester, 33% polyamide, 10% elastane
- Weight: 246 g/sqm
- Excellent breathability
- Active moisture management
- Quick dry bi-component construction
- Wicking microfleece inside
- 4-way stretch
- Durable polyamide face

- Bluesign® certified

## Polartec® Power Stretch Pro® Light

Soft and supple microfiber stretch fleece insulation with an instant dry feeling and a jersey face with superior durability.

- Origin: Italy
- 59% polyester, 33% polyamide, 8% elastane
- Weight: 170 g/sqm
- Excellent breathability
- Active moisture management
- Quick dry bi-component construction
- Wicking microfleece inside
- 4-way stretch
- Durable polyamide face
- Bluesign® certified

## Polartec® Power Dry® Mesh

Open mesh quality in recycled polyester. Very high warmth to weight ratio. Light durable and excellent insulation when used as midlayer.

- Origin: USA
- 100% recycled polyester
- Weight: 156 g/sqm
- Fully recyclable
- Excellent Insulating mesh construction
- Bluesign® certified
- Recyclable

## PrimaLoft® Black Insulation Eco

A highly durable and quick drying alternative to down. Exceptional warmth-to-weight ratio..

- Origin: China
- 100% recycled polyester
- Weight: 80 g/sqm
- Recyclable
- Bluesign® certified
- Excellent warmth to weight-ratio
- Soft and compressible
- Quick drying
- Water repellency treatment - PFAS free

## PrimaLoft® Black Insulation Rise

A highly durable and quick drying alternative to down. Exceptional warmth-to-weight ratio and ultimate loft.

- Origin: China
- 100% recycled polyester
- Weight: 300 g/sqm
- Recyclable
- Bluesign® certified
- Excellent warmth to weight-ratio
- High loft insulation

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- Soft and compressible
- Quick drying
- Water repellency treatment - PFAS free

## PrimaLoft® Gold Insulation

A highly water repellent, durable and quick drying alternative to down. Exceptional warmth-to-weight ratio.

- Origin: Germany
- 100% recycled polyester
- Weight: 100 g/sqm
- Recyclable
- Excellent warmth to weight-ratio
- Soft and compressible
- Highly water resistant
- Water repellency treatment - PFAS free

## PrimaLoft® Gold Insulation Active +

A highly water repellent, durable and quick drying alternative to down. Exceptional warmth-to-weight ratio.

- Origin: China
- 55% recycled polyester, 45% polyester
- Weight: 40 g/sqm, 60 g/sqm
- Excellent warmth to weight-ratio
- Soft and compressible
- Highly water resistant
- Migration resistant
- Water repellency treatment - PFAS free
- Bluesign® certified
- Recyclable

## Prime Ripstop™

Durable ripstop construction with mechanical stretch. This fabric has the perfect combination between air permeability and wind resistance.

- Origin: Taiwan
- 62% polyester 38% recycled polyester
- Weight: 177 g/sqm
- Ripstop
- Mechanical stretch
- Soft hand
- DWR finish – Fluorocarbon-free
- Bluesign® certified
- Recyclable

## PrimaLoft® Silver Insulation

A highly water repellent, durable and quick drying alternative to down. Exceptional warmth-to-weight ratio.

- Origin: Germany
- 100% recycled polyester
- Weight: 100 g/sqm

- Recyclable
- Excellent warmth to weight-ratio
- Soft and compressible
- Highly water resistant
- Water repellency treatment - PFAS free

## PrimaLoft® Silver Insulation Hi-Loft Ultra

A highly water repellent, durable and quick drying alternative to down. Exceptional warmth-to-weight ratio. Vertically oriented fibers creates air-trapping voids for excellent insulation.

- Origin: China
- 70% recycled polyester 30% polyester
- Weight: 80 g/sqm, 120 g/sqm
- Recyclable
- Bluesign® certified
- Excellent warmth to weight-ratio
- Retaining 85% of its insulation value when wet
- Lofted insulation
- Compressible
- Water resistant
- Water repellency treatment - PFAS free

## Rise Ripstop™

Durable ripstop fabric with soft touch. Water repellent, highly wind resistant, ultralight and stowable.

- Origin: Japan
- 100% recycled polyamide
- Material from Pertex®
- 37g/sqm
- Highly wind resistant
- Ultra light
- Ripstop construction
- DWR finish – Fluorocarbon-Free
- Bluesign® certified

## Rerun Jersey

Soft and light knitted material with comfortable mechanical stretch. Actively helps transport moisture to keep you dry and active. Yarn created for anti-snagging.

- Origin: Japan
- Made from 100% recycled polyester
- Fully recyclable
- Weight 115 g/sqm
- Wicking finish
- Quick dry
- Mechanical stretch
- Next-to-skin comfort
- Recyclable

## Solid Flannel Merino™

A soft and warm woven flannel fabric made from 100% superfine merino wool.

- Origin: Italy
- 100% merino wool 17,60µm
- Weight: 193 g/sqm
- Mulesing free merino wool from New Zealand
- ZQ traceable wool program
- Certified by EMAS (EU Eco-Management and Audit Scheme)
- Made from renewable and biodegradable fibers
- Naturally odor resistant

## Solid Gridmerino™

A new dimension of wool fabric combining super soft merino wool with a technical grid construction.

- Origin: Italy
- 100% merino wool 17,60µm
- Weight: 270 g/sqm
- Mulesing free merino wool from New Zealand
- ZQ traceable wool program
- Certified by EMAS (EU Eco-Management and Audit Scheme)
- Vapor and moisture management
- Next-to-skin comfort
- Mechanical stretch
- Made from renewable and biodegradable fibers

## Solid Interlock Merino™

A warm and stretchy base layer fabric in 100% super fine merino wool. Great next-to-skin comfort and thermoregulating properties.

- Origin: Italy
- 100% merino wool 17,60µm
- Weight: 195 g/sqm
- Mulesing free merino wool from New Zealand
- ZQ traceable wool program
- Certified by EMAS (EU Eco-Management and Audit Scheme)
- Vapor and moisture management
- Next-to-skin comfort
- Naturally odor resistant
- Made from renewable and biodegradable fibers
- Recyclable

## Solid Merino™

The ultimate organic solution. Super fine merino wool knitted into a light and soft fabric for all type of adventures.

- Origin: Lithuania
- 100% merino wool 17,5 µm

- Mulesing free merino wool from Australia
- Weight: 150 g/sqm
- Vapor and moisture management
- Next-to-skin comfort
- Mechanical stretch
- Naturally odor free
- Made from renewable and biodegradable fibers
- GOTS certified
- Recyclable

## Spheric 2L Hardshell™

Supple, soft and silent stretch hardshell. Waterproof, breathable, lightweight and stowable.

- Origin: Japan
- 70% Eco Circle® recycled polyester, 30% polyester
- Atmos™, 100% polyester membrane
- Weight: 110 g/sqm
- Breathability: 15,000 g/m<sup>2</sup>/24 hrs
- Waterproofness: 20,000 mm H<sub>2</sub>O or higher
- PFAS free water repellency treatment
- 2-way stretch
- Textures delta fiber face for durability and stretch

## Spinner Ripstop™

High density ripstop polyester. Water repellent, highly wind resistant, ultralight and stowable.

- Origin: Taiwan
- 100% recycled polyester
- Recyclable
- Bluesign® certified
- Weight: 37g/sqm
- Ripstop construction for durability
- High density microfibers with 22D\*22D
- Highly wind resistant
- Cired backside
- Water repellency treatment - PFAS free

## Surpass 2.5-L Hardshell™

Supple, soft and silent stretch hardshell. Waterproof, breathable, lightweight and stowable.

- Origin: Japan
- 70% Eco Circle® recycled polyester, 30% polyester
- Atmos™, 100% polyester membrane
- Recyclable
- Weight: 113 g/sqm
- Breathability: 15,000 g/m<sup>2</sup>/24 hrs
- Waterproofness: 20,000 mm H<sub>2</sub>O or higher
- 2-way stretch
- Smooth and durable face
- Soft and silent surface

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- DWR finish – Fluorocarbon-free

## Switch Woven™

Polyester plain weave with dull face. Water repellent, highly wind resistant, lightweight and stowable.

- Origin: Taiwan
- 100% recycled polyester
- Bluesign® certified
- Weight: 73g/sqm
- Microfiber
- Cired backside
- Highly wind resistant
- Water repellency treatment - PFAS free
- Recyclable

## Wish Woven™

Super comfortable and soft fabric with quick drying and moisture management properties.

- Origin: Japan
- 70% recycled polyester 30% polyester
- 98 g/sqm
- Recyclable
- Quick drying
- 2-way stretch
- Soft touch
- Wicking finish
- Dull face

## Woodland Jersey

100% TENCEL™ Lyocell fabric made in Lenzing, Austria from sustainable sourced woodpulp. It has an incredibly soft touch, a smooth drape and cool feel against the skin on warm summer days.

- Origin: Italy
- 100% Lyocell TENCEL™
- Weight: 165 g/sqm
- TENCEL™ from Lenzing in Austria (with EU Ecolabel)
- Soft next-to-skin
- Closed loop production process with minimal waste
- Superior moisture absorption
- Light and cool on body
- Made from renewable and biodegradable fibers
- Recyclable

## Woodland Weave

100% TENCEL™ Lyocell fabric made in Lenzing, Austria from sustainable sourced woodpulp. Soft touch, a smooth drape and cool feel against the skin. A thin, light and soft

woven single layer fabric.

- Origin: Taiwan
- Made from 100% lyocell TENCEL™
- Weight 124 g/sqm
- TENCEL™ from Lenzing in Austria (with EU Ecolabel)
- Soft next-to-skin
- Closed loop production process with minimal waste
- Superior moisture absorption
- Light and cool on body
- Made from renewable and biodegradable fibers
- Recyclable

## Wooler GridMerino™

A new dimension of wool fabric combining super soft merino wool with a technical grid construction.

- Origin: Italy
- 100% merino wool 17,50µm
- Weight: 260 g/sqm
- Mulesing free merino wool from New Zealand
- ZQ traceable wool program
- Certified by EMAS (EU Eco-Management and Audit Scheme)
- Vapor and moisture management
- Next-to-skin comfort
- Mechanical stretch
- Naturally odor free
- Technical grid construction
- Warming fleece inside
- Made from renewable and biodegradable fibers
- Recyclable

## Wool Shell™

100% super fine merino wool in a durable woven construction. This fabric offers something beyond an ordinary shell layer.

- Origin: China
- 100% super fine merino wool, 16µm
- Mulesing free wool from Australia
- Patented unique fabric production process
- Durable woven construction
- Wind resistant by construction
- Made from renewable and biodegradable fibers
- Recyclable