

Fabric Hard Facts

SPRING/SUMMER 2025

Active Knit

Fully circular pure polyester double knit with mechanical stretch. The mono material construction without elastane provides a warmer and “drier” feeling compared to elastane tights which is very pleasant against the skin and a lot more suitable for layering. It is also moisture wicking, dries a lot quicker and makes the garment recyclable.

- Origin: Japan
- Made from 57% recycled polyester and 43% polyester
- Fully recyclable
- Weight: 205 g/sqm
- Wicking finish
- Quick dry
- pH Pure™ treated for anti odour

Activist TreeMerino™

An all-natural blend of fine 19,3µm merino wool and Tencel® lyocell, a fiber made from wood pulp. The fabric is an excellent allround 4-season base fabric that will keep you warm when it's cold outside but still feel cool in warm weather.

- Origin: Sweden
- 60% merino wool 19,3µ, 40% lyocell TENCEL™
- Weight: 170 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 with less chemicals
- Softer than plain merino
- Vapor and moisture
- Next-to-skin comfort
- Light and soft material
- Naturally odor free
- Made from renewable and biodegradable fibers
- Recyclable

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.

C9 Ripstop™

Ultralight yet durable woven fabric with fantastic breathability and next-to-skin comfort. A well tested classic Houdini-fabric that we use in many different garments.

- Origin: Japan
- 100% recycled polyester
- Weight: 65 g/sqm
- Excellent air permeability
- Soft next-to-skin comfort
- Dull and silent surface
- Water repellency treatment - PFAS free
- Recyclable

C9 Stretch

A light yet durable woven fabric with great breathability and mechanical stretch. Made with 50% recycled polyester and fully recyclable.

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

Circle Stretch Knit

Fully circular pure polyester knitted fabric with high mechanical stretch and recovery. Great performance for high activity with superior wicking of moisture and quick drying.

- Origin: Japan
- 100% recycled polyester
- Weight: 180 g/sqm
- Excellent wicking
- Soft next-to-skin comfort
- 4-way mechanical stretch
- Recyclable

Corespun weave

A 100% circular polyester material combining high durability and softness. Feels and looks like a natural material but having the durability and performance of synthetics.

- Origin: Japan
- 100% recycled polyester
- Weight: 199 g/sqm
- Soft next-to-skin comfort
- Estetics and feeling of a natural material
- High durability
- Recyclable

Econ Stretch™

Light, soft, and stretchy fleece with smooth knitted face. This fabric has the ultimate balance between performance and comfort, suitable for both mountaineering missions or chilling in your cabin.

- Origin: Italy
- 94% recycled polyester, 6% elastane
- Weight: 250 g/sqm
- Excellent warmth-to-weight ratio
- Moisture management
- 4-way stretch
- Jersey face
- Bluesign® certified

Emergency 3L

Our lightest shell layer. This 3L shell is constructed to have ultimate performance of a waterproof breatheable 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: 80 g/sqm
- Breathability: 15,000 g/m2/24 hrs
- Waterproofness: 20,000 mm H2O or higher
- Water repellency treatment - PFAS free

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
- 2-way mechanical stretch
- Bluesign® certified
- Recyclable

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
- Bluesign® certified
- 2-way stretch
- Durable high density weave
- Peached finish with dull face
- Soft next to skin comfort
- Excellent air permeability
- Quick dry

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
- Recyclable

Loop Hardshell™

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

- Origin: Japan
- 70% recycled polyester, 30% polyester face fabric
- Atmos™, 100% Polyester membrane

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- 100% polyester jersey backing fabric
- Weight: 169g/sqm
- Breathability; 20,000 g/m²/24h
- Waterproofness: 20,000 mm H₂O or higher
- High density fibers for high durability
- Mechanical 2-way stretch
- Water repellency treatment - PFAS free
- Bluesign® certified
- 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; 15,000 g/m²/24h
- Waterproofness: 20,000 mm H₂O or higher
- High durability
- Water repellency treatment - PFAS free
- Bluesign® certified
- Recyclable

Motion Comfortshell™

Single layer stretchy softshell with great next-to-skin comfort and high breathability. We have used Motion Comfortshell for many years and it's one of our toughest fabrics that can stand many years of hard use. The fabric is treated with a fluorocarbon free water repellent.

- Origin: Japan
- 75% recycled polyester 25% polyester
- Weight: 225 g/sqm
- 1 layer softshell
- 2-way stretch
- Durable high density face
- Good balance between wind resistance and air permeability
- Non-membrane
- Soft twill construction inside
- Moisture management performance
- Water repellency treatment - PFAS free
- Recyclable

Octa C9 softshell

Light softshell fabric with a smooth, durable face and a backer with open filament fibers, creating a light insulation

that never hinder breathability. The face breaks the wind and is treated with a fluorocarbon free water repellency finish that will shelter you from light snow or a quick rain shower.

- 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
- Water repellency treatment - PFAS 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: 288 g/sqm
- 73% recycled polyester 27% elastomultiester
- 4-way stretch
- Insulating air capsulating technology
- Bluesign® certified
- Recyclable

Polartec® Power Air Active

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

- Origin: China
- Weight: 255 g/sqm
- 52% Recycled Polyester, 48% Elastomultiester
- 76% recycled content
- 4-way stretch
- Insulating air capsulating technology
- Bluesign® certified
- Recyclable

Polartec® Power Dry® Mesh

Light, durable and highly breathable mesh fabric made with 100% recycled polyester. Very high warmth-to-weight ratio. Anti-shedding construction to minimize microplastic leakage.

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

Polartec® Power Stretch Pro® Light

A lighter version of our most trusted fleece fabric. It has a smooth outside and warm, fluffy inside. Extremely durable and will last for many years.

- 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 Stretch® Pro

Exceptional fleece fabric with a smooth outside and warm, fluffy inside. Extremely durable and will last for many years. A trusted classic that we have used for many years.

- Origin: Italy
- 52% Recycled Polyester, 39% Polyamide, 9% 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

Prime Ripstop™

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

- Origin: Taiwan
- 50% polyester 50% recycled polyester
- Weight: 177 g/sqm
- Ripstop
- Mechanical stretch
- Soft hand
- Water repellency treatment - PFAS free
- Bluesign® certified
- Recyclable

Rerun Jersey

Soft, light and fine baselayer jersey fabric made from recycled and recyclable polyester. Actively helps you transport moisture to keep you dry during high intensity activities. Yarn created for anti-snagging.

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

Reactive 3L Hardshell

3L shell with high durability. A reliable shell layer perfect for all activities where weather protection is needed.

- Origin: Japan
- 100% recycled polyester face
- Atmos™, 100% polyester membrane
- 100% polyester jersey backing
- Weight: 195 g/sqm
- PFAS free water repellency treatment
- Breathability; 15,000 g/m²/24 hrs
- Waterproofness: 20,000 mm H₂O or higher
- Strong and durable
- Recyclable

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Rise Ripstop™

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

- Origin: Japan
- 100% recycled polyamide
- Weight: 37g/sqm
- Bluesign® certified
- Highly wind resistant
- Ultra light
- Ripstop construction
- Water repellency treatment - PFAS free

Solid Merino™

Light and stretchy base layer fabric in 100% super fine 17,5 µm merino wool. Works all year around for everything from skiing to running.

- Origin: Lithuania
- 100% merino wool 17,5 µm
- Mulesing free and traceable 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
- recyclable

Surpass 2.5-L Hardshell™

Recycled and recyclable polyester shell. It's wind- and water-proof, highly breathable, light, soft and stretchy.

- Origin: Japan
- 100% recycled polyester
- Atmos™, 100% polyester membrane
- Recyclable
- Weight: 113 g/sqm
- Breathability; 15,000 g/m²/24h
- Waterproofness: 20,000 mm H₂O or higher
- 2-way stretch
- Smooth and durable face
- Soft and silent surface
- Water repellency treatment - PFAS free

Wish Woven™

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

- Origin: Japan
- 100% recycled polyester
- Weight: 98 g/sqm
- Quick drying
- 2-way stretch
- Soft touch
- Wicking finish
- Recyclable

Woodland Jersey

100% TENCEL™ lyocell fabric made in Lenzig, 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 Lenzig in Austria (with EU Ecolabel)
- Soft next-to-skin
- Closed loop production process of TENCEL™ with minimal waste
- Superior moisture absorption
- Light and cool on body
- Made from renewable and biodegradable fibers
- Recyclable

Woodland Ripstop

A light and soft woven ripstop fabric made with 100% TENCEL™ Lyocell produced in Lenzig, Austria from sustainable sourced woodpulp. The ripstop provides durability for tear and wear. Great comfort towards skin on warm summer days.

- Origin: Taiwan
- Made from 100% lyocell TENCEL™
- Weight 121 g/sqm
- TENCEL™ from Lenzig in Austria (with EU Ecolabel)
- Soft next-to-skin
- Closed loop production process of TENCEL™ with minimal waste
- Superior moisture absorption
- Ripstop construction
- Made from renewable and biodegradable fibers
- Recyclable

Woodland Weave

A light and soft woven single layer fabric made with 100% TENCEL™ Lyocell produced in Lenzig, Austria from sustainable sourced woodpulp. Soft touch, a smooth drape and cool feel against the skin on warm summer days.

- Origin: Taiwan
- Made from 100% lyocell TENCEL™
- Weight 124 g/sqm
- TENCEL™ from Lenzig in Austria (with EU Ecolabel)
- Soft next-to-skin
- Closed loop production process of TENCEL™ with minimal waste
- Superior moisture absorption
- Light and cool
- 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
- Weight: 245g/sqm
- Mulesing free wool from Australia
- Patented unique fabric production process
- Durable woven construction
- Wind resistant by construction
- Made from renewable and biodegradable fibers
- Recyclable

