



xpore

Eco-friendly Waterproof  
Breathable Textile Solutions

A person is standing on a sharp, rocky mountain peak. The background shows a vast mountain range with some snow-capped peaks under a clear sky. The overall scene is one of adventure and nature.

# xpore

## Adventure for Life

### About

Xpore is a pioneer of technological solutions for the textile industry. Created around the “Adventure for Life” mantra, we’re on a mission to advance high-performance textile solutions in an eco-sustainable way.

Every aspect of our proprietary products and manufacturing processes is built on robust sustainable principles. Our nanoporous membrane, adhesives and lamination technologies are non-toxic and free of PFCs and solvents - a perfect alternative to existing ePTFE and PU-based products.

Xpore’s technology can be paired with any fabric. From membrane creation, lamination and textile manufacturing to quality control, we offer both off-the-shelf and tailor-made solutions to fulfill our customers’ design and branding requirements every step of the way.

# Ultra Comfort for Adventures



WATERPROOF



WINDPROOF



BREATHABLE



LIGHTWEIGHT



FAST-DRYING



BACTERIA  
BLOCKING



ECO-FRIENDLY

Applied to different fabrics, Xpore technology delivers impeccable performance where it counts.

There are 10 billion nanopores on every square inch on our unique ultra-thin membrane, which are 20,000 times smaller than water droplets, so they perfectly block rain and wind, but are large enough for perspiration to pass through.

Xpore keeps you dry and comfortable, enhancing endurance when you're on the move.

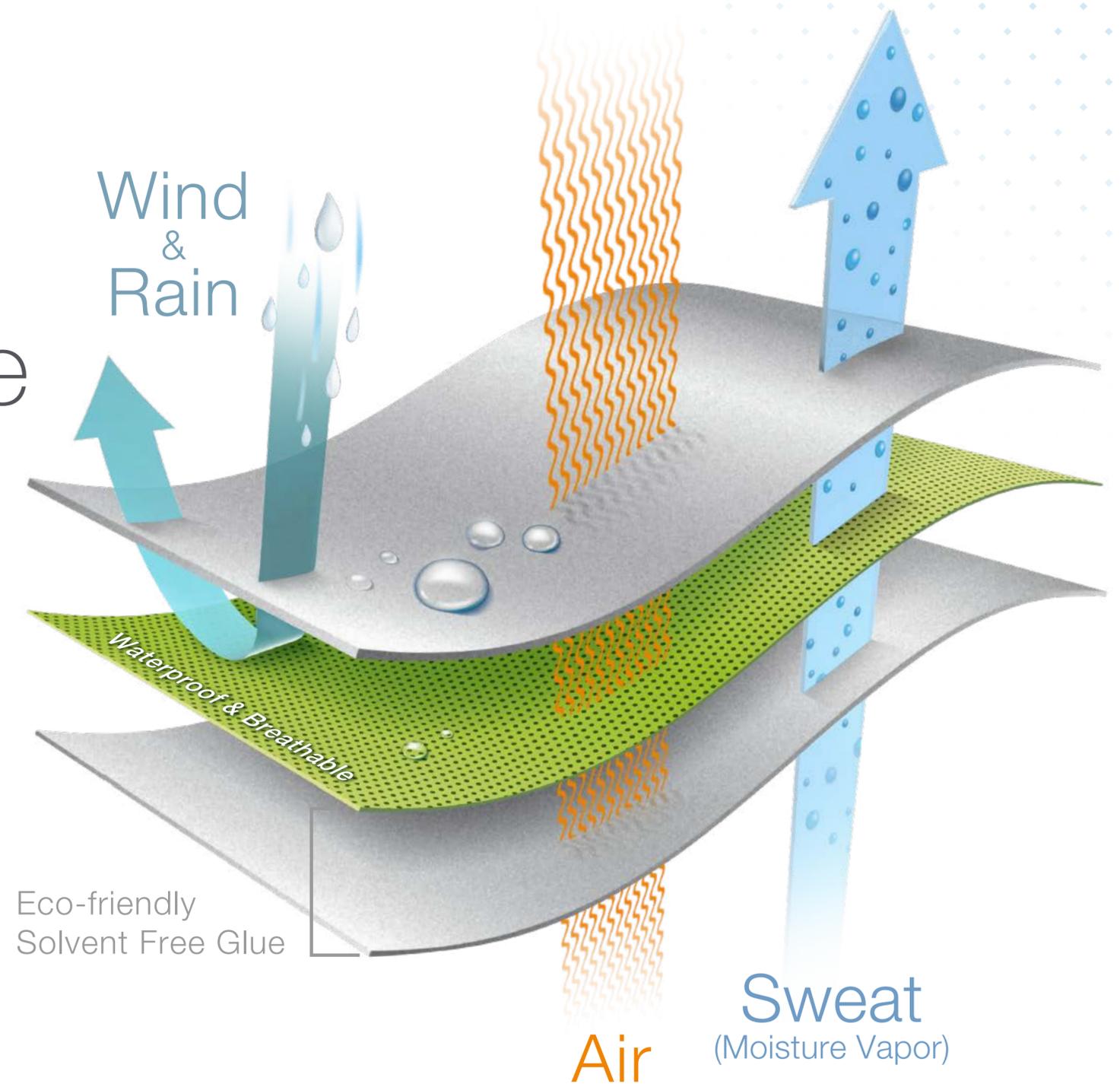


# High Performance

Customized Outer Layer

Xpore® PFC-free Nanoporous Membrane

Skin-friendly Inner Layer



# Sustainability

Xpore operates in line with our parent company BenQ Materials' environmentally friendly ethos.

That commitment to sustainable practices in design and production is part of our corporate culture's DNA.



**0** Air Pollution

100% PFC-free and solvent free (2019-)



**958**  
Planted Trees

reducing the greenhouse effect (2018-2020)



**0** Water Pollution

100% PFC-free and solvent free (2019-)



**280kW**  
Solar Energy Generation

increasing the application of green renewable energy (2020)

xpore

Footprint



**-211%**  
CO<sub>2</sub> Emission

continuous reduction of power consumption (2019-2020)



# ESG Recognitions

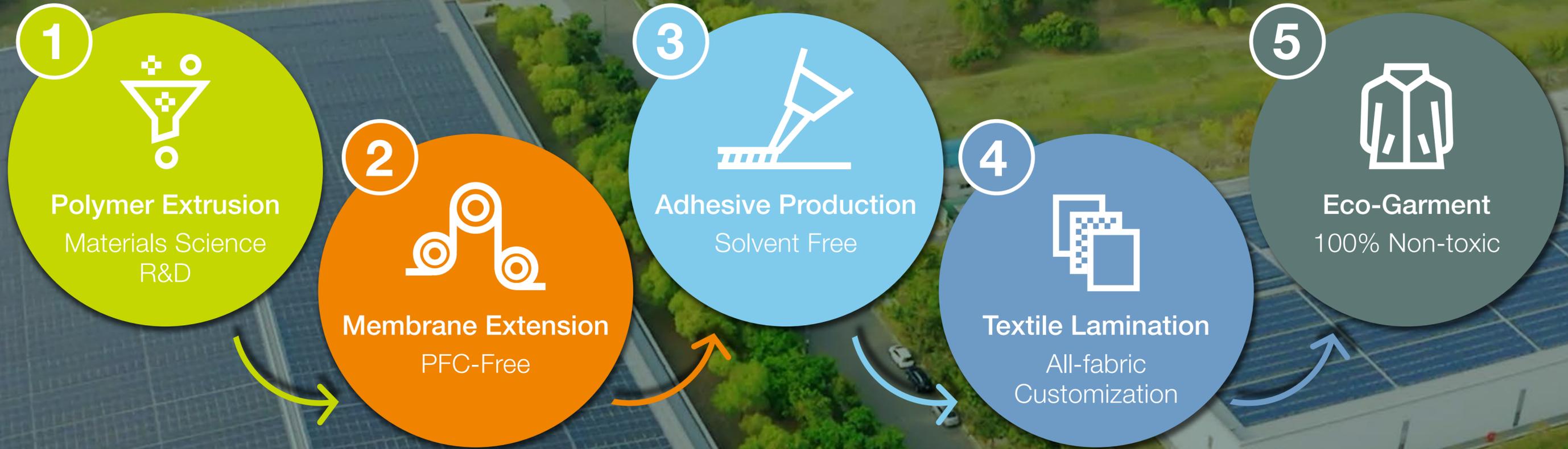
Bluesign is a sustainability and safety standard of the textile and similar industries with stringent criteria. In 2021, Xpore was recognized as a bluesign® system partner, due to its effort on eco-friendly manufacturing process, sustainability development, care for workers and consumers, non-toxic products, reducing resource waste.



Xpore keeps striving for environmental protection, reducing resource waste, circular economy, and transforming waste into new products, etc. Thus we're recognized by GRS in 2022. GRS certified products must use materials containing at least 20% recycled fiber and must be 100% pollution-free. Furthermore, GRS has strict regulations with regards to pollution prevention, waste and chemical use.

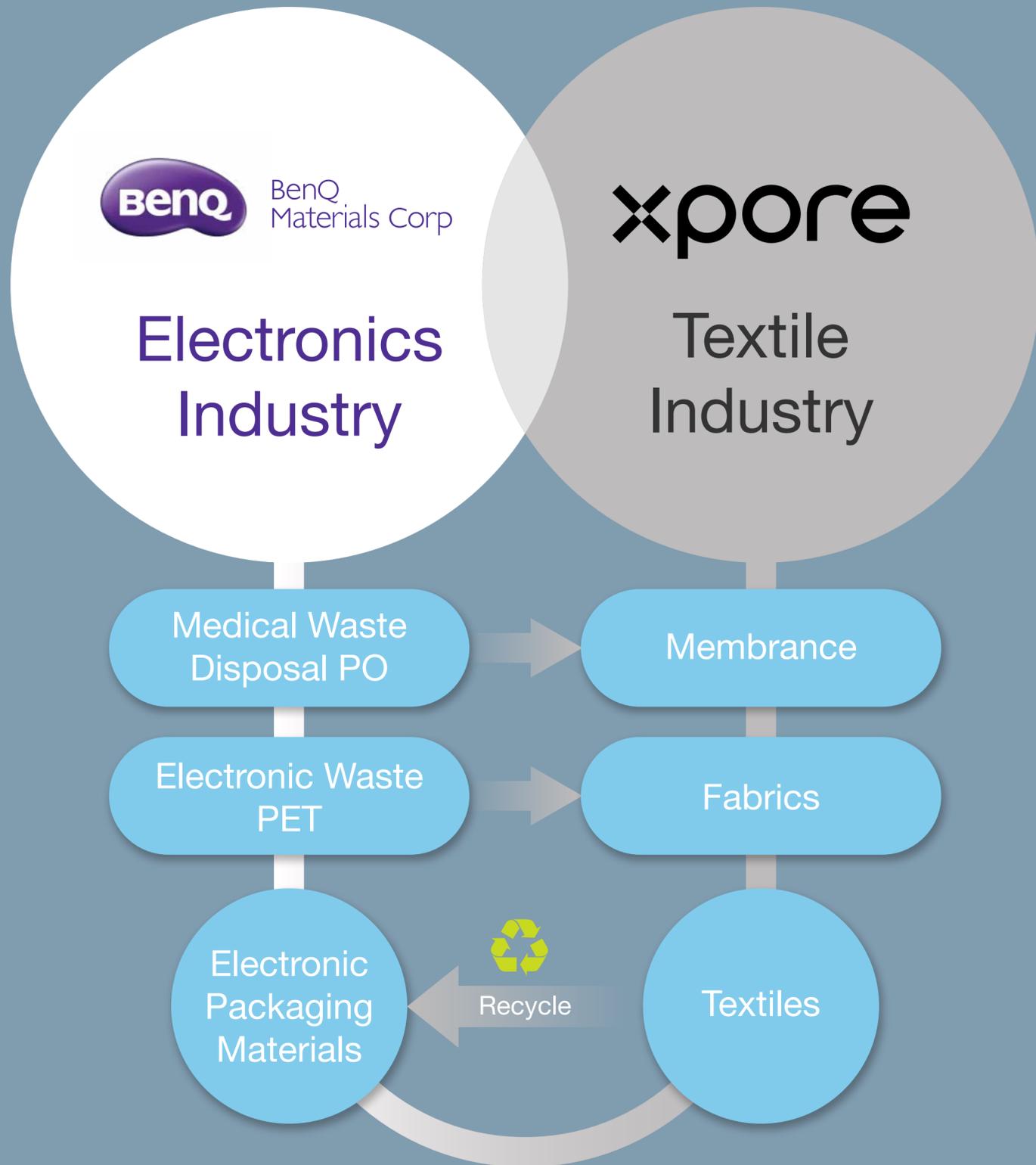


# Eco-friendly Manufacturing Process



We're committed to delivering best-in-class materials performance that coexists with environmental sustainability at a level never achieved before.

Solvent-free manufacturing processes and the use of 100% PFC-free materials are embedded in our operations.



# Circular Economy

We collect and recycle the electronics waste and medical waste from group companies, and turn them to the raw material for fabrics and membrane. The garments made of Xpore textiles can be recycled to produce the packaging materials for the electronics industry.

Our final goal is to recycle the garments and use this material to produce another garment.



# Textiles

## Series



### Xtreme

All-round Protection  
for Outdoor Adventures



### Xtra

All-weather Protection  
for Urban Life



### Xcellent

High-grade Protection  
and Superior Comfort

### Fiber Composition

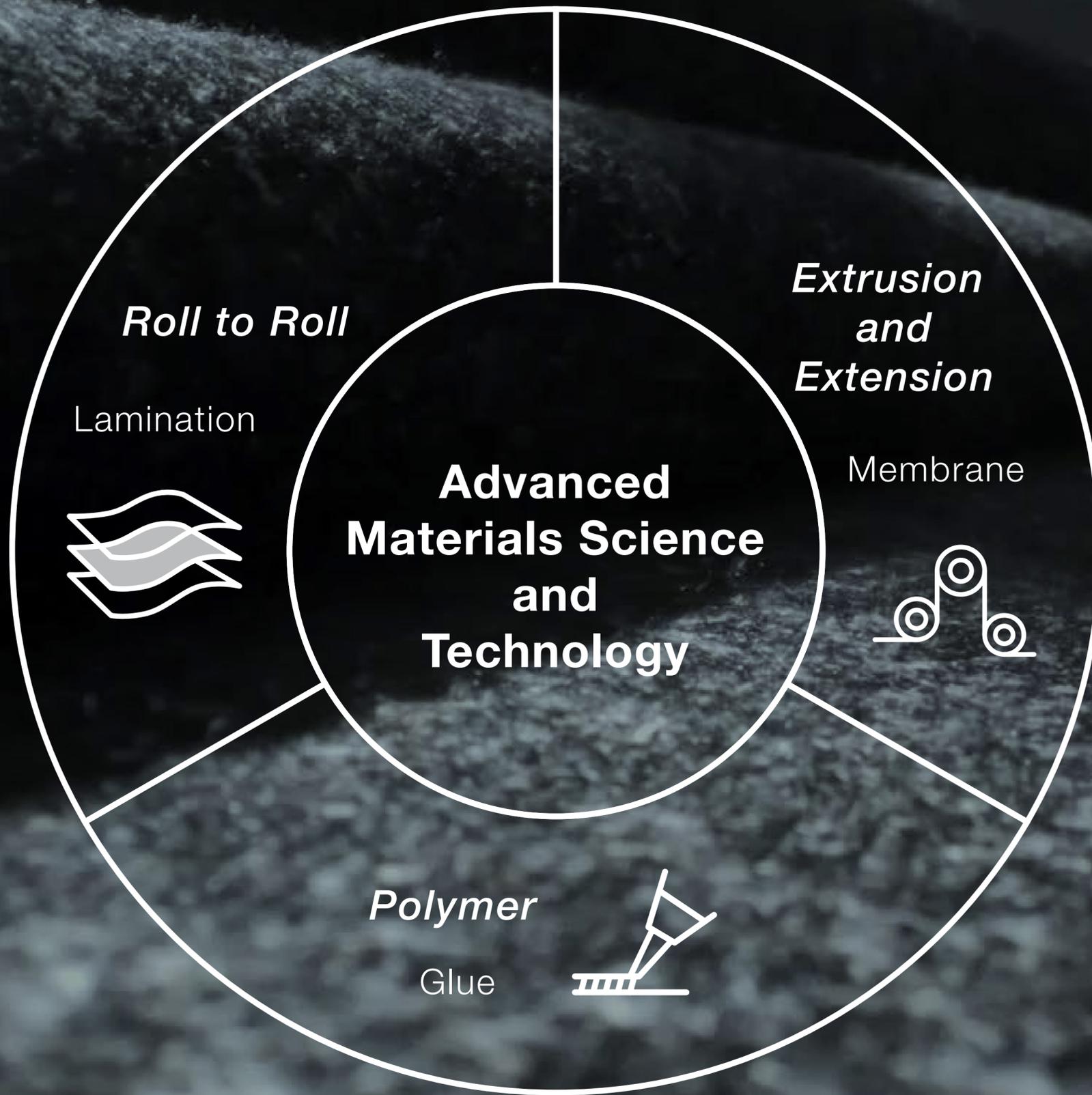
- Bio Nylon
- Biopet
- Condura
- Cotton
- Nylon
- Modal Rayon
- Wool
- Polyester
- PP
- Recycled Nylon
- Recycled Polyester
- Tencel

### Fabric Weave

- Denim
- Dobby
- Honeycomb
- Jacquard
- Ottoman
- Oxford
- Plain
- Ribstop
- Twill
- Tie-Dye
- Tricot

### Weight (g/m<sup>2</sup>)

- 50~100
- 101~150
- 151~200
- 201~250
- 251~300



Rooted from BenQ Materials and its advanced materials technology with more than 20 years of experience, Xpore develops high-performance and sustainable products that empower everyone to explore forward.



BenQ  
Materials Corp

# Stringent Quality Control

## Multiple Tests during the Manufacturing Process

Through rigorous testing, we ensure that products made with Xpore technology are superior, safe, and eco-friendly.

Our laboratory testing equipment is state of the art and complies with strict international standards.



**Membrane & Glue Production**  
**In House Quality Control**  
Self-innovated Membrane and Glue

01



**Material Check**  
**Incoming Quality Control**  
Fabrics, Membrane, Glue

02



**Lamination & Maturation**  
**In Process Quality Control**  
Semi-finished Textiles

03



**Delivery Preparation**  
**Out-going Quality Control**  
Sustainable Performance Textiles

04



**Delivery to Clients**  
**Product Consultation**  
Optional : Garments Tests

05



Together, Exploring Forward

Skiing, hiking, mountain climbing, sailing, hunting, horse-riding, cycling, diving (dry suit), outdoor work, daily using, commuting, health protection.....

Wherever Your Adventures Take You, We've Got You Covered





ECO-FRIENDLY  
WATERPROOF BREATHABLE  
TEXTILE SOLUTIONS

Breathing with the Earth



xpore



[xpore-global.com](http://xpore-global.com)



LinkedIn



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