

S O R O N A[®]

A P P A R E L



sorona[®]

MOVEMENT

STRETCH & RECOVERY

AND

LONG-LASTING

MEANING

PLANT-BASED

There are certain fabrics you reach for every morning. They're the fabrics you live in, the fabrics that make you look good and can take you anywhere you want to go.

With its partially plant-based fibers, strength and softness, Sorona® fabrics give you comfort, movement and possibility while helping you live more sustainably every day.



SEW THE SEEDS OF CHANGE



We believe science should learn from nature—that a product is timeless when it's renewable, and that a single fiber can make a world of difference. We know that we never have to sacrifice performance to be sustainable, or the other way around. To us, finding ways to leave a smaller footprint just comes naturally, so we do it every step of the way.

At the start of its lifecycle, Sorona® polymers are partially plant-based and help create comfortable, long-lasting garments that can be worn again and again. Clothes continue to look, feel and perform great every time they are worn because the polymer does not break down over time due to heat, UV rays or chlorine exposure. This not only lengthens the lifespan of the garment, but when the time comes to discard, some fabrics can be mechanically recycled into a variety of new materials, unlike stretch garments with spandex that tend to end up in the landfill.

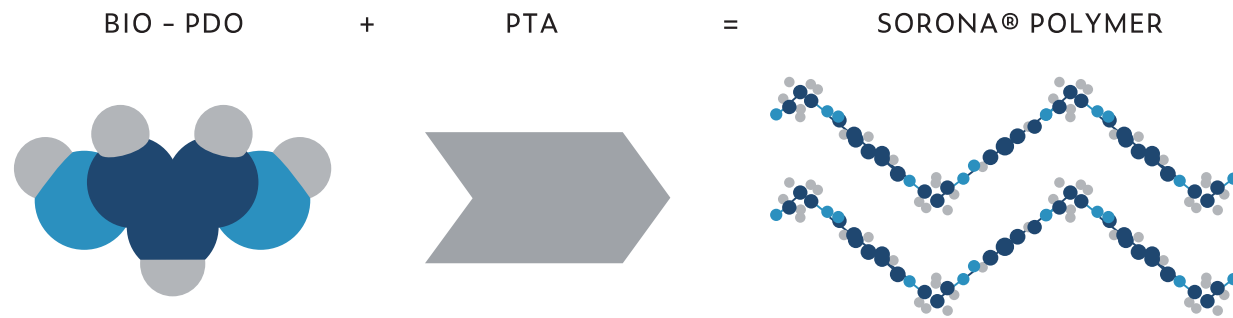


A D V E N T U R E I N T H E M A K I N G



Our options shouldn't be limited by what we're wearing. And thanks to the innovative technology of Sorona® fabrics, they never have to be. Clothing made with the unique molecular structure of Sorona® polymers can take you anywhere because it adds inherent movement and comfort to every textile it touches.

The kinked structure of the Sorona® polymer gives rise to its versatility and unique performance attributes. Whether a textile is made solely of Sorona® fibers or combined with others, the result is a beautiful fabric with long-lasting performance, softness and durability.



FIBERS MADE FROM SORONA® POLYMERS PROVIDE:

- 
ALL-DAY SOFTNESS:
 Exceptional softness and rich hand feel for day-in, day-out comfort.
- 
LONG-LASTING STRETCH:
 Retains its shape and resists bagging for maximum comfort on the move.
- 
EASY CARE:
 Unique molecular structure snaps back into shape for a smooth, wrinkle-free look, wear after wear.
- 
SHAPE RECOVERY:
 Strength and resilience for long-lasting performance.
- 
BREATHABLE INSULATION:
 Provides long-lasting shape and warmth for any climate.

S U S T A I N A B L E B Y N A T U R E



Made from 37% plant-based ingredients, Sorona® polymers help reduce our dependence on oil and petrochemicals and shrink our environmental footprint.

COMPARED TO NYLON 6, SORONA® POLYMERS:

- Use 30% less energy
- Generate 50% fewer greenhouse gas emissions

SORONA® POLYMERS:

- Made as bicomponent fiber can be used as a spandex replacement in some applications¹
- Made as bicomponent yarn will not diminish in performance when exposed to chlorine, UV, or high temperatures after repeated washes, compared to spandex yarn
- Are mechanically recyclable with PET at the lab scale²

SORONA® CERTIFICATIONS



PARTNERSHIP WITH **TRU TERRA**

- Experimental studies have shown Sorona® based bicomponent yarn can act as an alternative to spandex for some applications due to the intrinsic nature of the fiber. Paola Piccinini & Chiara Senaldi, Fibre Labelling. Elastomultiester - DuPont, Publications Office of the European Union. (2011).
- CovationBio has completed proof of concept studies at the lab scale by making fibers from simulated PCR dyed and greige fabric to demonstrate thermo-mechanical recyclability of up to 30% PCR PTT blended with up to 70% PET.



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UNLIMITED POSSIBILITY

COMBINATIONS, CONSTRUCTIONS
AND APPLICATIONS THAT ARE
JUST AS VERSATILE AS YOU

HELD TO A HIGHER STANDARD

We believe in trust, traceability and transparency. That's why all Sorona® fabrics are certified to look good, feel good and do good through the Common Thread Certification Program—ensuring the performance and accountability our customers expect and deserve.

THE
COMMON
THREAD

SORONA® FABRIC CERTIFICATION PROGRAM

1/2/3/4/5



**SORONA® PROFILE FABRIC CERTIFICATION
CONTENT REQUIREMENTS:**



Contains a minimum of 50% Sorona® polymer homo filament fiber in the fabric, or

Contains 100% Sorona® polymer homo filament fiber in the warp direction

If homo filament fiber, must be made of 100% Sorona® polymer

Passes specified performance tests



WRINKLE RESISTANCE MADE EASY



Sorona® Profile fabrics provide built-in easy care. They are evaluated to ensure they pass a series of tests around shape formation, wrinkle resistance and feel. With an exceptionally smooth, luxurious, rich hand feel, Sorona® Profile fabrics redefine softness—because your design shouldn't have to choose between performance and feel.

1/2/3/4/5



sorona[®]
luxe



SORONA[®] LUXE FABRIC CERTIFICATION CONTENT REQUIREMENTS:



- Contains a minimum of 10% Sorona[®] polymer homo staple fiber, or
- Contains a minimum of 10% Sorona[®] polymer bicomponent stretch staple fiber
- Contains a minimum of 50% natural fiber blend (cotton, linen, wool, cellulose)
- Passes specified performance tests



GIVE YOUR NATURAL FABRICS A LOOK AND FEEL THAT LASTS AND LASTS



From linen and wool to silk and cotton, Sorona[®] Luxe fabrics are tested to make sure they provide natural fiber blends dimensional stability, a soft, natural hand feel and long-lasting performance wash after wash. Keeping your clothes ready to go when you are.

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**SORONA® REVIVE FABRIC CERTIFICATION
CONTENT REQUIREMENTS:**



Contains a minimum of 20% Sorona® polymer filament fiber

Fabric contains elastane-based fiber (i.e., spandex)

Passes specified performance tests



OUTSTANDING SHAPE RECOVERY



Sorona® Revive fabrics help you keep that perfect fit. They help trade sagging and bagging for long-lasting performance. Sorona® Revive fabrics are evaluated based on stretch, recovery and dimensional stability both with, and without, washing. When applications require that bit of spandex to achieve the highest levels of stretch, Sorona® Revive fabrics provide the recovery to give you that “just like new” look again and again.



**SORONA® AGILE FABRIC CERTIFICATION
CONTENT REQUIREMENTS:**



- Contains a minimum of 20% Sorona® polymer homo filament fiber, or
A minimum of 20% Sorona® polymer bicomponent stretch filament fiber
- Does not contain elastane-based fiber (i.e., spandex)
- Passes specified performance tests



THE EVOLUTION OF STRETCH



To ensure that Sorona® Agile fabrics are designed for the long-lasting performance to match every rep and step, we evaluate these fabrics based on stretch, recovery and dimensional stability both with, and without, washing. Because life is too short for clothes that can't stand the test of time.



**SORONA® AURA FABRIC CERTIFICATION
CONTENT REQUIREMENTS:**



Apparel insulation product contains a minimum of 24% Sorona® polymer
Passes specified performance tests



WHAT'S ON THE INSIDE MATTERS



Sorona® Aura insulation takes performance to a higher degree. Lightweight, breathable warmth is what you'd expect from insulation, but a sustainable offering is what you expect from Sorona® Aura insulation. Together we can meet the growing global demand for sustainable outerwear without sacrificing quality, performance and style. We test for performance and plant-based content to make sure you're making an impact on the industry.

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LABELING GUIDELINES

FABRIC COMPOSITION LABEL

Garments made with
Sorona® Polymer Homo Fiber

IMPORTED & SOLD IN UNITED STATES	IMPORTED & SOLD IN EUROPEAN UNION	IMPORTED & SOLD IN ASIA PACIFIC
<input type="checkbox"/> % SORONA® TRIEXTA*	<input type="checkbox"/> % SORONA® POLYESTER	<input type="checkbox"/> % SORONA® POLYESTER

OR

<input type="checkbox"/> % TRIEXTA*	<input type="checkbox"/> % POLYESTER	<input type="checkbox"/> % POLYESTER
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Garments made with
Sorona® Polymer Bicomponent Stretch Fiber

IMPORTED & SOLD IN UNITED STATES	IMPORTED & SOLD IN EUROPEAN UNION	IMPORTED & SOLD IN ASIA PACIFIC
<input type="checkbox"/> % ELASTERELL-P SORONA®	<input type="checkbox"/> % ELASTOMULTIESTER WITH SORONA®	<input type="checkbox"/> % POLYESTER WITH SORONA®

OR

<input type="checkbox"/> % ELASTERELL-P	<input type="checkbox"/> % ELASTOMULTIESTER	<input type="checkbox"/> % POLYESTER
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FIBER MADE WITH SORONA® POLYMER CRITERIA

HOMO FIBER
is a single-component
filament or staple
fiber made with
100% Sorona® polymer

**BICOMPONENT
STRETCH FIBER**
is a two-component
filament or staple fiber
made with at least
40% Sorona® polymer

* Triexta has been approved as a new
generic subclass name by FTC, USA
in March 2009.



SORONA® BRANDING CRITERIA

We don't put our name on just any fabric. Our customers trust us to deliver the performance and quality they expect. That's why we strictly test all fabric solutions before they're certified through the Sorona® Common Thread Fabric Certification Program.

Hangtags are available for all certified products.

SORONA® INGREDIENT BRANDING CRITERIA

The unique structure of 37% annually renewable plant-based Sorona® polymer adds inherent movement and comfort to every textile it touches. We are proud to be a part of so many fabrics beyond our Common Thread Certification Program. To qualify for our ingredient branding hangtag, please consult your regional representative for more details.



Designed for movement,
touch and everyday use.



<https://covationbio.com>

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