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. Eco-efficient, strong and soft, DuPont® Sorona® gives you comfort, movement and possibility while helping you live more sustainably every day.
S O R O N A®

DISCOVER THE FEELING

SMOOTHER FEEL:
Fluid drape for a fit that moves with your body.

STRETCH & RECOVERY:
Retains its shape and resists bagging for maximum comfort on the move.

FADE RESISTANCE:
UV- and chlorine-resistant for vibrant color over time, wear and washes.

SOFTNESS:
Exceptional softness and rich hand feel for day-in, day-out comfort.

REDUCED PILLING:
Smooth hand feel holds up over time with less pilling.

BRILLIANT COLOR:
Achieves vibrant colors easily and at lower temperatures.

PATENTED TECHNOLOGY:
Made from a unique PTT molecular structure designed for maximizing performance.

RENEWABLY SOURCED:
Made of 37% plant-based materials for a more sustainable lifestyle.

DURABILITY:
Strength and resilience for going the extra mile.

WRINKLE RESISTANCE:
Unique molecular structure snaps back into shape for a smooth, wrinkle-free look, wear after wear.

INSULATION:
Delivers lightweight, breathable warmth for taking on any challenge, in any condition.

QUICK-DRY:
Dries quickly and wicks moisture off the skin for added comfort.

BIO - PDO + PTA = SORONA® POLYMER

ADVENTURE IN THE MAKING

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

Sorona® is a versatile material, and its long list of uses comes from a kink in the PTT polymer chain that naturally snaps back into shape. Whether a textile is made of 100% Sorona® or it’s combined with other fibers, the end result is superior performance, softness and durability.
SUSTAINABLE BY NATURE

Made from 37% plant-based ingredients, Sorona® helps reduce our dependence on oil and shrinks our environmental footprint. And it’s designed with the future in mind so Sorona® makes you feel good by doing good.

**COMPARSED TO NYLON 6, SORONA® USES:**
- 30% less energy
- 63% fewer greenhouse gas emissions

**USDA-CERTIFIED**
Sorona® renewably sourced fiber is one of the first 11 products approved to use the United States Department of Agriculture (USDA) new product label on certified bio-based products.

**OEKO-TEX® STANDARD 100**
Sorona® also received OEKO-TEX® Standard 100 Certification, the most stringent Class 1 certification.
Sorona® has 4 different fiber variations and can be used alone or blended with synthetic or natural fibers for various performance benefits and endless combinations.

Sorona® treks, it jumps, it drapes, it stretches, it even lounges. In every textile it touches, Sorona® moves with your body for superior performance and extra comfort.

FINALLY, A FABRIC THAT’S JUST AS VERSATILE AS YOU.
Sorona® homo filament fiber provides softness, brilliant color, moisture wicking, as well as shape memory to fabrics. The fiber is also UV- and chlorine-resistant, so clothing made with Sorona® maintains its shape and color over time, wear and washes. When compared to polyester, Sorona® can be dyed at lower temperatures, which decreases energy use.

**Fiber Specification**

- **Type:** FDY, DTY, ATY
- **Luster:** semi-dull, full dull
- **Cross-section:** round and odd
- **Denier Range:** 30d - 150d, or above

**UV Resistance**

<table>
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<th>Type</th>
<th>24hrs</th>
<th>48hrs</th>
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</tr>
<tr>
<td>Nylon</td>
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**Chlorine Resistance**

<table>
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<th>1hr</th>
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<tr>
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<td>good</td>
</tr>
<tr>
<td>Nylon</td>
<td>poor</td>
<td>poor</td>
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</table>

**Color-Change Grade**

AATCC 16, exposure at 20, 40, & 100 hrs. Swimwear fabrics tested are turquoise in color.

**Softness Measured by Stress & Strain**

- PET
- Nylon
- Sorona®

**Stretch & Excellent Recovery**

- PET
- Nylon
- Sorona®

**Dyeing Efficiency**

- PET
- Sorona®

**Dyeing Temperature (°C)**

- PET
- Sorona®
Sorona® comfort stretch fiber has inherent attributes that add shape memory, moisture wicking and softness to fabrics. It can also be used as a companion yarn to other synthetics and naturals, adding stretch and recovery where needed. In addition, Sorona® is UV- and chlorine-resistant, so clothing made with Sorona® maintains its vibrant color, wear after wear and wash after wash.
Sorona® homo staple fiber works well in circular knit fabrics and blends well with natural fibers like cotton, wool, lyocell and viscose because it provides superior performance without sacrificing the aesthetics of a natural yarn. The knitted fabrics have a very soft voluminous hand, while improving the pilling, long dry times and wrinkles often seen in fabrics made of natural fibers.

When it’s used in insulation, Sorona® homo staple fiber is both warm and soft, making it a great choice for high-loft and form-fitting applications.

**Fiber Types**
- Standard
- Moisture Management
- Hollow (Thermal)

**Fiber Specifications**
- Strength: 2.8 - 3.2 cN/dtex
- Elongation: 60% - 70%
- Shrinkage (Dry): 6% - 7%
- Moisture: 0.2% - 0.3%

**Pilling Properties Under Various Testing Methods**
- Rayon with Sorona®
- Rayon

**Drying Properties**
- Lyocell / Sorona® (60%/40%)
- Lyocell 100%
SORONA®

COMFORT

STRETCH

STAPLE

FIBER

Soft feel/drape

Skin Friendly UV Protection

Vibrant Colors Patented Technology

Sorona® comfort stretch staple fiber combines with natural fibers such as cotton, wool, bamboo, rayon or linen to give fabrics a soft and voluminous hand feel, with better wicking performance than other synthetic fibers. In addition, its rich hand feel holds up over time.

Sorona® comfort stretch staple also works extremely well in insulation applications. Its excellent warmth retention means that fiber-fill made with Sorona® comfort stretch staple is an effective alternative to down, particularly in high-moisture environments. Plus, its excellent volume and compression recovery are durable after repeated wear and washes.
## SORONA®

### END USES & SUGGESTED FIBER APPLICATIONS

<table>
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<tr>
<th>SORONA®</th>
<th>HOMO FILAMENT (FDY, DTY)</th>
<th>HOMO FILAMENT (ATY)</th>
<th>HOMO FILAMENT (M.M)</th>
<th>COMFORT STRETCH FILAMENT</th>
<th>HOMO STAPLE (REGULAR)</th>
<th>HOMO STAPLE (M.M.)</th>
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- **3** IDEAL APPLICATION
- **2** HIGHLY RECOMMENDED
- **1** RECOMMENDED
**LABELING GUIDELINES**

**SORONA® BRANDING CRITERIA**

Fabrics must contain a minimum of 20% of fiber made with Sorona® (Homo filament, Homo staple, Comfort stretch filament fiber) except for:

- Comfort stretch staple fiber - fabrics must contain a minimum of 10% of comfort stretch staple fiber for one-way stretch.
- Insulation - Insulation must contain a minimum of 20% Sorona® fiber.

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

**FABRIC COMPOSITION LABEL**

**Garments with Homo Fiber**

<table>
<thead>
<tr>
<th>IMPORTED &amp; SOLD IN</th>
<th>IMPORTED &amp; SOLD IN</th>
<th>IMPORTED &amp; SOLD IN</th>
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<tr>
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<td>ASIA PACIFIC</td>
</tr>
<tr>
<td>% SORONA® TRIEXTA*</td>
<td>% SORONA® POLYESTER</td>
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<tr>
<td>% TRIEXTA*</td>
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**FABRIC COMPOSITION LABEL**

**Garments with Comfort Stretch Fiber**

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<tbody>
<tr>
<td>UNITED STATES</td>
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<tr>
<td>% ELASTELL®-P WITH SORONA®</td>
<td>% ELASTOMULTIESTER WITH SORONA®</td>
<td>% POLYESTER WITH SORONA®</td>
</tr>
<tr>
<td>% ELASTELL®-P</td>
<td>% ELASTOMULTIESTER</td>
<td>% POLYESTER</td>
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**Designed for movement, touch and everyday use, Sorona® can make your fabric look good, feel good and do good.**