

DuPont™ Sorona® renewably sourced polymer*

DESIGNED FOR PERFORMANCE. DERIVED FROM NATURE.



No other fiber offers the combination of both performance benefits and environmental benefits.

In a class by itself – FTC grants new generic: triexta

If you and your customers are looking for both uncompromised performance and an environmentally smart fiber, look no further. DuPont™ Sorona® is just what you are looking for.

Sorona® is so unique that in March of 2009, the FTC granted a new generic classification – triexta for fiber made with Sorona®. This unique, renewably sourced polymer is used to create fibers and fabrics that are poised to revolutionize the apparel industry. Adaptable and flexible it can also be used in blends with both natural and synthetic fibers and is suitable for all fabric constructions including warp knits, circular knits, flat knits and wovens; fabrics with Sorona® can meet your every need.

Sorona®, break-through innovation takes fashion to new heights.

No other fiber offers the combination of both performance benefits and environmental benefits. Sorona® exists in the sweet spot between sustainability and performance innovation. Sorona® provides a multitude of benefits in the activewear segment. Incorporating Sorona® allows designers and garment manufacturers to break through existing fiber barriers taking their designs to new heights – inspiring unprecedented freedom of design.

Sorona® in fibers and fabrics

Fibers and fabrics with Sorona® are available from a global network of licensed fiber manufacturers and fabric mills. A wide variety of high-quality fibers including staple, bicomponent and homofiber along with odd cross section fibers for moisture management are available from global fiber licensees. Woven, circular knit, warp knit and flat knit fabrics with Sorona® along with different blends and construction are available from a global network of fabric mills. The diverse deniers and filaments, along with the ability of Sorona® to blend with all other fibers, create an almost infinite combination for fabric construction. Exceptional softness, brilliant colors, color fastness, wicking, comfort stretch, and resistance to stains and wrinkles are just a few of the attributes provided by Sorona®.



Sorona®

* Sorona® contains 37% renewably sourced ingredients by weight.

Sorona® as a fiber...

- Available as flat or textured yarns
- Staple, bicomponent or filament fibers available
- Easily blended with any other natural, synthetic or spandex fiber
- Unique molecular structure – a 'kink' - providing both comfort stretch and full recovery
- Dyes easily with standard dyes and with out additional heat or chemical carriers
- Full color absorption providing clear whites and rich, deep, dark colors including black
- Exceptional printability for crisp prints with excellent clarity, strong lines and sharp definition



Fibers are the building blocks for fabrics and fashion

Sorona® is the building block for functional and casual sports, leisure, beachwear and swimwear.

Regardless of your sport – golf, tennis, biking, hiking, swimming or yoga – Sorona® is available in a fabric to meet your needs.

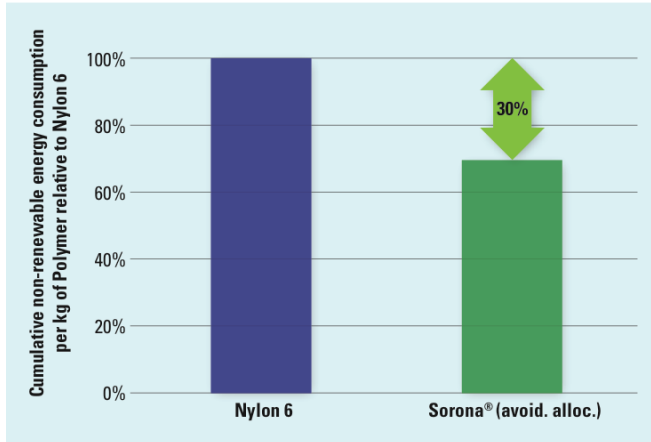
- Soft to the touch and next to the skin
- Resistant to harsh UV rays
- Wicks moisture for added comfort
- Fast drying and easy care
- Comfort stretch with recovery for freedom of movement and shape retention
- Durable for active sports
- Wrinkle resistant for today's active lifestyle
- Chlorine resistant
- Colorfast and fade resistant from the sun or repeated washings
- Stain resistant

- Heat set at lower temperatures than polyester so it can be blended with spandex
- Wide selection of denier and filament – even odd cross section – for wicking
- Memory Fabrics provide crush resistance for packable, fashion forward jackets and activewear
- Exceptionally soft seamless garments
- Moldable for swim tops or sports bras.
- Quick drying
- Resistant to UV and chlorine degradation

Adaptable and flexible, Sorona® can be blended with both natural and synthetic fibers for use in all fabric constructions...

Sustainability throughout the value chain

In addition to its many unique features and attributes, Sorona® is the only performance polymer to offer the additional benefit of offering environmental benefits throughout the value chain.



Source: PlasticsEurope (2005)

The environmental benefits of Sorona® were determined through a peer-reviewed, ISO Life Cycle Assessment. These benefits include:

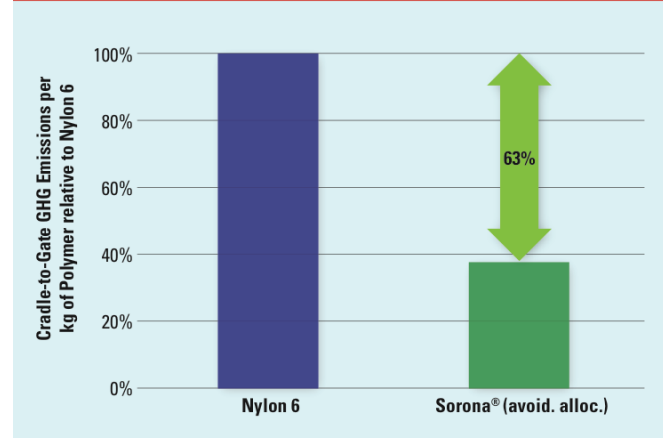
1. Reduced dependency on oil and petrochemicals: Sorona® is 37% renewably sourced by weight
2. Reduced energy consumption: Production of Sorona® requires 30% less energy than an equal amount of petrochemical based nylon 6.
3. Reduced emission of greenhouse gas emissions (CO₂): Production of Sorona® reduces CO₂ emissions 63% over an equal amount of petroleum based nylon 6.

The environmental benefits of Sorona® exist throughout the value chain.

Sorona®:

- is extruded at lower temperatures
- does not contain any heavy metals
- dyes at lower temperatures without the need for additional heat, pressure or carriers
- can be heat-set at lower temperatures
- is easily washed in cold water
- dries quickly
- is wrinkle resistant, reducing the need for ironing
- is fade resistant from UV and repeated washings so garments look newer, longer
- is bleach and stain resistant

Sorona® / Nylon6 Benchmark: Cradle-to-Gate GHG Emissions[†]



Source: PlasticsEurope (2005)

[†]including bio-based carbon stored in product

Sorona® is the only performance polymer to offer the additional benefit of offering environmental benefits throughout the value chain.



Designed for performance.
Derived from nature.

See what DuPont™ Sorona®
can do for you.

1-866-4-Sorona
www.sorona.dupont.com



The miracles of science™