



# SENSIL®

E C O C A R E

## SUSTAINABLE IS THE NEW BEAUTIFUL

Sensil® EcoCare recycled Nylon 6.6 is made with **pre-consumer waste**, reducing impact on the environment and providing fine denier, high-quality **fabrics that last and last**.

Production of Sensil® EcoCare recycled yarns uses a highly efficient recycling process that significantly **reduces CO<sub>2</sub>** and energy and water consumption. Fabrics and garments of Sensil® EcoCare are as comfortable, soft, and resilient as they are **eco-friendly**—perfect for activewear, intimates, underwear, base layer, hosiery, socks, jeanswear, and ready-to-wear.

Sensil® EcoCare yarns, including new Sensil® EcoCare Breeze with a **cooling effect** and other sustainable performance products, are available globally.

# SUSTAINABLE SENSIL® ECOCARE

## YARNS

Sensil® EcoCare comes in a wide variety of yarns for topweight wovens, bottomweight wovens, warp knits, circular knits, seamless, hosiery. These sustainable yarns have excellent dye uptake and natural touch. Plus, Sensil® EcoCare Breeze offers a special cooling effect with a dry, silky hand.

### Sensil® EcoCare

44/34/1 and 44/34/2 FD	Textured
------------------------	----------

78/68/1, 78/68/2 FD	Textured
---------------------	----------

22/10/1 SD	Textured
------------	----------

44/34/1, 44/34/2 SD	Textured
---------------------	----------

78/68/1, 78/68/2 SD	Textured
---------------------	----------

22/10 SD	Flat
----------	------

### Sensil® EcoCare Breeze

44/34/1, 44/34/2 BZ	Textured
---------------------	----------

78/68/1, 78/68/2 BZ	Textured
---------------------	----------

## TECHNOLOGY

High-quality recycled Nylon granules beautifully retain the yarn properties of virgin fibers. The production process minimizes waste, reduces energy consumption, and conserves valuable natural resources.



## NYLON 6.6 RECYCLING PROCESS

NYLON 6.6 WASTE  
FROM STANDARD  
PRODUCTION



RECYCLED  
NYLON  
GRANULES



ADDITIONAL  
RECYCLED  
POLYMER WASTE



SENSIL®  
E C O C A R E

## BENEFITS

Mills that use Sensil® EcoCare yarns provide their brand and retail partners with unique, environmentally responsible products that meet the sustainability and style needs of today's young consumers. From the softest supermicro warp knits to the most complex engineered seamless compression garments, Sensil® EcoCare premium Nylon 6.6 offers a breadth of selection and global availability unmatched in the market today.

Consumers who invest in clothing made of Sensil® premium fabrics are making a sustainable, intelligent choice. These garments stay new-looking, last longer, and are less likely to end up in landfills.

## ENERGY AND WATER SAVINGS For 100% recycled content fiber

- > Reduction of up to 98%, or 6.2 tons of CO<sub>2</sub> equivalent emissions per 1 ton of yarn
- > Energy savings of up to 45 MWh/Ton in the upstream yarn manufacturing process
- > Water savings – up to 2.7 m<sup>3</sup> /kg of yarn in the upstream yarn manufacturing process

## INDEPENDENTLY CERTIFIED

Sensil® EcoCare is certified by SCS as a pre-consumer recycled fiber. Sensil® EcoCare complies with the Global Recycled Standard. NILIT® polymers meet the OEKO-TEX® Standard 100 for textile products that pose no risk to health.

\* The calculation used for the mass/energy balance modeling was taken from the ISO 14044.

\* The base data regarding virgin polymer is taken from Polyamide 6.6 (PA6.6) Plastics Europe publication-February 2014.