

For the Antron® brand, life cycle based sustainability is holistic and integrative of our corporate vision. INVISTA defines “sustainability” as responsible stewardship of the environment and care for our employees, customers and communities.

### OUR SUSTAINABILITY VISION

We create long-term value for society by using resources more efficiently; protecting the environment and the safety and health of our employees and others; consistently applying good science; and employing Market Based Management® (MBM). Together, these contribute to the overall quality of life.

INVISTA's commitment to stewardship excellence is central to its MBM culture, which guides every decision it makes. Keeping workers and neighbors safe and using resources efficiently as they work to make people's lives better is value creation, and it is INVISTA's constant aim.

### SUSTAINABILITY IS ACCOMPLISHED THROUGH:



Sustainability Begins with Products that Last™

[antron.net](http://antron.net)

# The Antron® brand on Sustainability

Sustainability Begins with Products that Last™

To learn more, contact your local Antron® Representative or visit [antron.net](http://antron.net).

<sup>1</sup> Calculations based on life cycle assessment eco-profiles by Boustead Consulting & Associates, Ltd for INVISTA fibers, Nylon 6,6 fibers, Nylon 6 fiber and carpet backing combined with INVISTA internal carpet performance studies. The tests compare competitive commercial carpets to Antron® nylon carpets of similar weight, color and construction. Energy reduction calculations include assessments of the face fiber, backing and carpet manufacturing, transportation of fiber and finished carpet and maintenance for 15 years. Calculations are based on an installation of 1,000 square yards of carpet and average annual household consumption information published by the Energy Information Administration of the U.S. Department of Energy and U.S. Environmental Protection Agency.

<sup>2</sup> Results based on testing of carpets of comparable construction, style and color.

<sup>3</sup> Environmentally Preferable Products were established by U.S. Executive Order 13101 (replaced by EO13423) as products or services that have a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose.

<sup>4</sup> Materials and Resources credits in each LEED rating system encourage using sustainable building materials and reducing waste.

Information is current at the time of publication and INVISTA does not undertake any duty to update the information. Specifications are subject to change without notice.



## PRODUCT SUSTAINABILITY

*We Believe that Sustainability Begins with Products that Last™.*

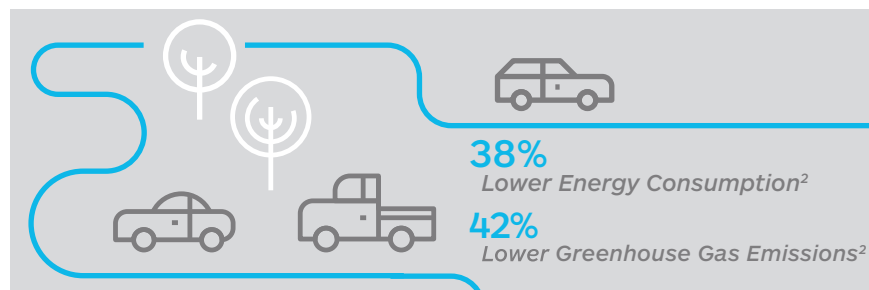
Product durability, quality and performance extend a product's life. This represents the highest level in environmental impact reduction throughout a product's life cycle.

- Offer competitive products and technologies that meet the needs of its markets using fewer resources<sup>1</sup>.
- Analyze life-cycle impacts and continued development of innovative products that are long-lasting, have recycled or renewable content, can be recycled or otherwise enhance the environmental performance of end-use products.

### FIRST LIFE™ – GETTING IT RIGHT IN ITS FIRST LIFE™

A longer product life, or its First Life™, can play a significant role in reducing environmental impact by lowering premature consumption of resources and eliminating processes over time.

- Carpet made of Antron® fiber can last up to 75% longer than the majority of competitor carpets<sup>2</sup>.
- Extended product life reduces environmental impact.



## MANUFACTURING EXCELLENCE

*INVISTA pursues its sustainability vision with investment and efforts in its manufacturing facilities, seeking innovative technologies and cost-effective ways to further improve manufacturing processes:*

- Implement strategies to increase energy efficiency, resulting in greenhouse gas emission reductions.
- Reduce emissions of solid waste and air and water pollutants.
- Continue to drive efficient use of natural resources and packaging materials.

## THIRD-PARTY CERTIFICATIONS

*EPP – Environmentally Preferable Product Certification – based on life cycle analysis (LCA), all Antron® products are third-party certified as environmentally preferable by SCS Global Services.*

- Antron® Lumena™ and Antron® Legacy™ fibers are the first carpet fibers to have earned the Environmentally Preferable Product (EPP) designation and only carpet fiber to be recertified multiple times<sup>3</sup>.



BASED ON LEO-SCS-002 AND ISO-14044

Recycled Content Certification – Our recycled content percentages are also third-party certified by SCS. See specific percentages by product.

## ENVIRONMENTAL CLAIMS VALIDATION

*Claims that the Antron® brand uses are validated by SCS Global Services.*

- This Environmental Claim Validation provides consumers with assurance of independent verification of the INVISTA product testing methodologies and product performance claims for Antron® nylon 6,6 carpet fiber.



## BIOTECHNOLOGY

*We continue to search for sustainable solutions in raw material use and processing.*

- Our research and development teams are focused on the development of new technologies to enable bio-derived processes for the production of industrial chemicals—the primary focus at this time is on nylon intermediates and feedstocks.
- We are seeking to develop cost-competitive biological routes for industrial chemical intermediates—a unique opportunity to take what many see as industrial waste products and turn them into a useful product.

## RECYCLED CONTENT PRODUCT OFFERING

*At the end of the products useful life, we search for innovative ways to optimize material and keep fiber out of the waste stream.*

One way is with Antron® with TruBlend™ fiber technology:

- Antron® Lumena™ solution dyed nylon with TruBlend™ fiber technology currently contains a total of 30% pre-consumer and post-consumer recycled content.
- Continuous improvement to increase recycled content percentages and expanded color offering.
- Contributes towards LEED Material and Resources Credit<sup>4</sup>.

Our commitment to end-of life solutions includes seeking sustainable opportunities for innovation while supporting industry initiatives. INVISTA is a participating member of the US Green Building Council (USGBC) and the Carpet America Recovery Effort (CARE).

## LIFE CYCLE ADVANTAGE THROUGH PRODUCT INNOVATION

*Scientific evaluation of full environmental impact of a product is determined through LCA. INVISTA uses science and technology to determine impact.*

- Dedicated resources using the latest cutting-edge software.
- Continuous improvement in processes/operations focused on environmental impact reduction.
- Innovation in product development.



LONGER-TERM PERFORMANCE



REDUCED ENVIRONMENTAL EFFECT



IMPROVED QUALITY OF LIFE



## CORPORATE RESPONSIBILITY

The essence of the MBM® philosophy is creating real, sustainable value for customers and society as a whole. Value creation requires consuming fewer resources, and providing customers with products that they value higher.

- INVISTA is committed to communicating with external audiences regarding environmental, health and safety performance and help create and support effective local stewardship initiatives.