Putting people first with products that last
In a marketplace where a narrow view of sustainability has centered on recycled content, the Antron® approach to sustainability has a bigger-picture focus. We seek to enhance human wellbeing and reduce environmental impact through unbeatable product performance—cleanability, durability and longevity that far surpass competitive fibers.

We put people first with products that last.
We engineer Antron® fibers to help carpet work and play extra hard, clean up nicely, resist crushing and matting, and help prevent spills from becoming stains. To achieve this outstanding performance, we start with a tighter molecular structure*, add an innovative four-hole hollow filament shape and built-in protection and then perform a gauntlet of rigorous tests.

* Nylon 6,6 as compared with nylon 6
The result...

Carpets of Antron® Nylon can have

65% better soil resistance¹

2.5X better texture retention²

Carpets of Antron® Solution Dyed Nylon can have

10X better stain resistance³

3X better fade resistance³

1 Better than a leading competitive nylon carpet
2 Better than a majority of competitive nylon carpets
3 Better than a leading competitive solution dyed nylon carpet
Making...

Carpets of Antron® nylon last up to 75% longer than a majority of competitive carpets
“We all need a reality check. It’s greener to install carpet made with virgin material that lasts up to 20 years than it is to buy carpet made with high recycled content that only lasts 5 years.”

–Cary Woodfield (Cary the Carpet Guy)  
Owner, The Carpet Consultants
“Our original Antron carpet lasted 23 years. So we’ve witnessed firsthand how selecting high quality interior finishes results in long-term performance and a high return on investment.”

–Adam Ames
Former Senior Facilities Planner
Salk Institute
This is big!
And, it makes our impact smaller.

Carpets with Antron® Fiber Last up to 75%* LONGER

Competitive Carpets AVERAGE CARPET LIFESPAN

* than the majority of competitive nylon carpets
Product longevity supports long-term value

<table>
<thead>
<tr>
<th>Carpet with Antron® Solution Dyed Nylon Type 6,6</th>
<th>Competitive Carpet Nylon Type 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase Price: $35,000</td>
<td>Purchase Price: $25,000</td>
</tr>
<tr>
<td>Maintenance Costs: $24,750</td>
<td>Maintenance Costs: $123,750</td>
</tr>
<tr>
<td>Total Cost of Ownership: $59,250</td>
<td>Total Cost of Ownership: $148,750</td>
</tr>
</tbody>
</table>

Additional costs to be aware of include:
- Business disruption
- Disposal fees
- Replacement costs
- Installation fees

Total Cost of Ownership

Based on a representative example utilizing the Total Cost of Ownership calculator on antron.net

- Analysis illustrated reflects a 250% cost difference between the compared products.
- Estimated maintenance costs are based on clean when dirty cycle.
- In year ten, 11 deep cleanings are expected for carpet with Antron® nylon type 6,6, while 55 deep cleanings are expected for the competitive carpet nylon type 6.
“Our clients trust our expertise, and we take our role in product selection seriously. Antron fiber is a no-brainer when optimizing performance and total cost of ownership for our clients!”

—Dale Lambe
Strategic Account Executive
Bonitz
“In our office, everyone knows Antron gets the spec when performance matters most.”

– Lauren Amber Prestenbach
NCIDQ, EDAC, LEED AP ID+C
Principal, Powers Brown Architecture
Helping support human wellbeing

The right carpet fiber can contribute to a cleaner, more productive and safe indoor commercial environment. The cleanability, durability and longevity of Antron® fiber can deliver those human benefits while reducing environmental impact.
Carpets with Antron® fiber may contribute to:

- A clean, wellbeing-focused environment, that promotes occupant productivity
- Improved indoor air quality by reducing airborne particles
- more easily releasing soil and particulates, reducing maintenance time and costs
- A reduction of the need for harsh chemicals in the maintenance process
How clean is clean?
A look under the microscope (1 million foot traffics)*

Fiber shapes with lobes, such as a nylon type 6 trilobal, tend to hold soil in the fiber where vacuuming cannot release it. With the innovative four-hole hollow filament shape of Antron® nylon type 6,6 there are fewer places for soil to hide, helping soil to be released more easily during vacuuming.

* Keyence 3D Microscope. Floor test site is representative of a commercial facility with severe foot traffics and soiling. Two HWE cleanings during floor test with daily vacuuming.
“As the owner of a commercial floor care company, we have cleaned all of the major fiber systems on the market, and carpets with Antron® are by far the easiest to return to a ‘like-new’ condition. The only fiber system I recommend!”

– Mike Patton
CEO, DSB+ Commercial Floor Finishes
At INVISTA, we support material transparency by disclosing required information for Life Cycle Analysis, and certifications including Cradle to Cradle Certified™, Environmental Product and Health Product Declarations. Material Health Assessments are a pre-requisite step to achieving Cradle to Cradle (C2C) Certification, so the work conducted to receive a Material Health Certificate counts towards achieving full certification under the C2C Certified Product Standard. With over 600 fibers assessed, the C2C eligibility levels include MTS (Made to Stock) and MTO (Made to Order) SDN and white dyeable products. Contact us for more information.

We Promise Responsible Manufacturing

At INVISTA, we support material transparency by disclosing required information for Life Cycle Analysis, and certifications including Cradle to Cradle Certified™, Environmental Product and Health Product Declarations.

Material Health Assessments

<table>
<thead>
<tr>
<th>Eligibility Level</th>
<th>ANTRON® Fibers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold</td>
<td>63</td>
</tr>
<tr>
<td>Silver</td>
<td>271</td>
</tr>
<tr>
<td>Bronze</td>
<td>45</td>
</tr>
</tbody>
</table>

Material Health Assessments

GOLD ELIGIBLE

SILVER ELIGIBLE

BRONZE ELIGIBLE
“Our latest ADN technology brings us improved product yields, reduced energy consumption, lower greenhouse gas emissions, enhanced process stability and reduced capital intensity, compared to existing technologies.”

– Maggie Bidlingmaier  
VP, Surfaces at INVISTA
Between 2008 and 2022, INVISTA—parent company of Antron®—will invest more than two billion dollars in increased production capabilities and manufacturing facility improvements, resulting in significant reductions to our environmental impact.
Our progress so far

**39%**
reductions in GHG emissions CO₂e

From 2014-2018 total GHG emissions were reduced 39% at INVISTA polymer & fiber production sites.

**28K tons**
GHG emission offsets for our customers through renewable energy credits

Our renewable energy programs and NSF 140 has allowed us to help bolster sustainability practices and helped our customers reduce their GHG footprint by 28,000 tons since 2013.

**89%**
of fiber related waste is recycled or upcycled

Our sales of higher value engineered polymers made from pre-consumer recycled and upcycled fiber production related waste has steadily increased.

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1 INVISTA 2014-2018 sustainability data as reported for Antron polymer and fiber production sites including Camden, SC, and Orange and Victoria, TX; 2 INVISTA NSF/ANSI 140 data; 3 INVISTA Polymer & Antron Fiber Life Cycle Assessment, 2017 Addendum April 2019
“As a corporation, environmental impact factors into every decision we make. We require materials that can be recycled or reused and carpets with Antron® meet those requirements.”

–Ralph DeGruttola

*Director of Corporate Real Estate, Black & Veatch*
Antron Fibers are 100% recyclable

During our fiber manufacturing process, virtually no waste is produced due to recycling and upcycling practices. Additionally, at the end of the carpet’s useful life, Antron 6,6 fibers can be upcycled back into engineered thermoplastics and used in other products, including auto parts and commercial furnishings.*

* Where recycling is available. See map on following page.
To be a part of the solution...

Recycle your carpet

Carpet Recycling Facilities

1. Humboldt Waste Management Authority
   1059 West Hawthorne
   Eureka, CA
   (707) 268-8680
   hwma.net

2. Fremont Recycling & Transfer
   41149 Boyce Road,
   Fremont, CA  94538
   Phone (510)252-0500
   fremont-recycling.com

3. Gone Green Recycling
   1440 Industrial Way
   Spark, NV  89431
   775-525-1447
   ggrecycling.accountsupport.com

4. Planet Recycling
   1600 South Central Avenue
   Phoenix, AZ  85004
   (602) 258-5600
   planetrecyclingphoenix.com

5. Texas Carpet & Construction Recycling
   1712 Minters Chapel Rd.
   Grapevine, TX 76051
   817-552-1011
   texascarpetrecycling.com

6. Bro-Tex, Inc.
   840 Hampden Ave.
   St. Paul, MN  55114
   Telephone: (651) 645-5721
   carpet.brotex.com

7. Kruse Carpet Recycling
   4800 W. 96th Street
   Indianapolis, IN 46268
   krusecarpetrecycling.com

8. Florida Carpet & Pad Recycling
   5501 Airport Blvd. Suite B
   Tampa, FL 33634
   813-443-5631
   carpetrecyclingsolutions.com

9. Columbia Recycling Corp.
   1001 Chattanooga Ave
   Dalton, GA 30720
   706-278-4701
   recycleamp.com

10. RCG Group
    205 Westview Place
    High Point, NC 27260
    336-431-6006
    recycledcarpetgroup.com

11. CarpetCycle
    16 Herbert Street
    Newark, NJ 07105
    (973) 732-4858
    carpetcycle.com

For a complete list of carpet recycling facilities [CLICK HERE]
INVISTA believes wholeheartedly in supporting the communities where we operate. Being good corporate citizens just makes sense. After all, these are the places we call home.”

– Dennis McAllister
Kingston Site Manager, INVISTA
At INVISTA, parent company of the Antron® brand, we strive to operate in the best interest of our people and the communities in which we live and work.

Whether it’s innovating for product durability, lowering premature consumption of resources, volunteering to better our communities, or protecting the wildlife habitat around our manufacturing sites, we believe in using our resources efficiently, maintaining safe and sustainable practices, and committing ourselves to being good corporate citizens.
Protecting our world

Both our Camden and Victoria plant sites have been certified by the Wildlife Habitat Council (WHC). Our Camden site has maintained its certification since 1992 and our Victoria site which includes 3,500 acres including a 53 acre constructed wetlands and environmental science education center that has taught environmentally focused topics to more than 75,000 students and teachers since 1998.
INVISTA endeavors to be a good corporate citizen and encourages employee involvement in causes that enhance the quality of life in the communities where we operate. We help support projects involving human services, environmental stewardship, education and the enablement of youth, community enrichment and emergency response.

Our philanthropic efforts include United Way, Boys & Girls Clubs, Habitat for Humanity and a multitude of local organizations, services and events in all the communities where we live and work.
Long-Run Sustainability
Putting people first with products that last.

1. **INVISTA (Parent Company)**
   - **From 2008-2022**
     - $2 Billion
     - Amount to be invested in manufacturing facility improvements—helping reduce our environmental impact.
   - **From 2014-2018**
     - 39%
     - Reduction in GHG Emissions
     - From 2014-2018 total GHG emissions were reduced 39% at INVISTA sites that produce Antron fiber & polymer.

2. **Raw Materials**
   - 99.8%
   - North America Produced or Sourced Materials
   - Being vertically integrated, all materials are made in the United States and Canada, helping to reduce the overall environmental impact.

3. **Antron® Fiber Manufacturing**
   - 12%
   - Reduction in GHG Carbon Footprint
   - Improvements in manufacturing have reduced our nylon 6,6 GHG carbon footprint, directly resulting in a reduction of our clients’ product footprints.

4. **Minimizing Waste**
   - 89% of nylon 6,6 fiber production related waste is recycled or upcycled for higher value engineered polymers. The remaining 10%+ is also recycled into other lower grade polymers.

5. **Antron Carpet Fiber Attributes**
   - **Type 6,6 Nylon Fiber**
     - The tighter molecular structure and unique, four-hole hollow filament shape provide built-in resistance to staining, crushing, matting and wear. Regarded by many as the best performing fiber in the industry.

6. **Carpets Made with Antron Nylon**
   - Can Last Up to 75%
   - Longer than a Majority of Competitive Carpets
   - Carpets of Antron nylon can last this long because of the following attributes:
     - 65% Better Soil Resistance
     - 2.5X Better Texture Retention
     - 10X Better Stain Resistance
     - 3X Better Fade Resistance
   - A longer product life can play a significant role in reducing the environmental impact of Antron products.

7. **Commercial Facilities**
   - Carpets with Antron Help Support Human Wellbeing
   - When properly maintained, carpets with Antron Fiber can contribute to:
     - Increased indoor air quality
     - Reduced airborne particles
     - Easier, water-only cleaning, reducing the need for harsh cleaning chemicals
     - Better acoustics
     - Reduced fatigue and slip/fall hazards
     - Worker productivity
     - Lower total cost of ownership

8. **End of Life**
   - Antron Fiber Is 100% Recyclable
   - Antron 6,6 fibers can be recycled and used in other useful products, including auto parts and commercial furnishings.
   - For a list of nylon 6,6 carpet recycling locations, please see page 23 of this document.

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**Introduction**  |  **Performance**  |  **Wellbeing**  |  **Manufacturing**  |  **Community**  |  **Snapshot**
Our Commitment

As the Antron® brand enters a new generation, people-first will mean matching the superior performance and aesthetics you have come to trust with a commitment to developing products and solutions that enhance better living in commercial spaces.

We put people first with products that last.