

Materials Solutions for Home Appliances



Transforming industries and improving lives through material science.

The foundation of everything we do at DuPont centers around what our customers need. It's not just about the solutions we innovate, but also how we work with our customers.

Through our worldwide network of innovation and technical centers, our leading researchers work in close collaboration with customers, from concept to commercialization, using a wide range of processing, prototyping technologies and testing expertise.

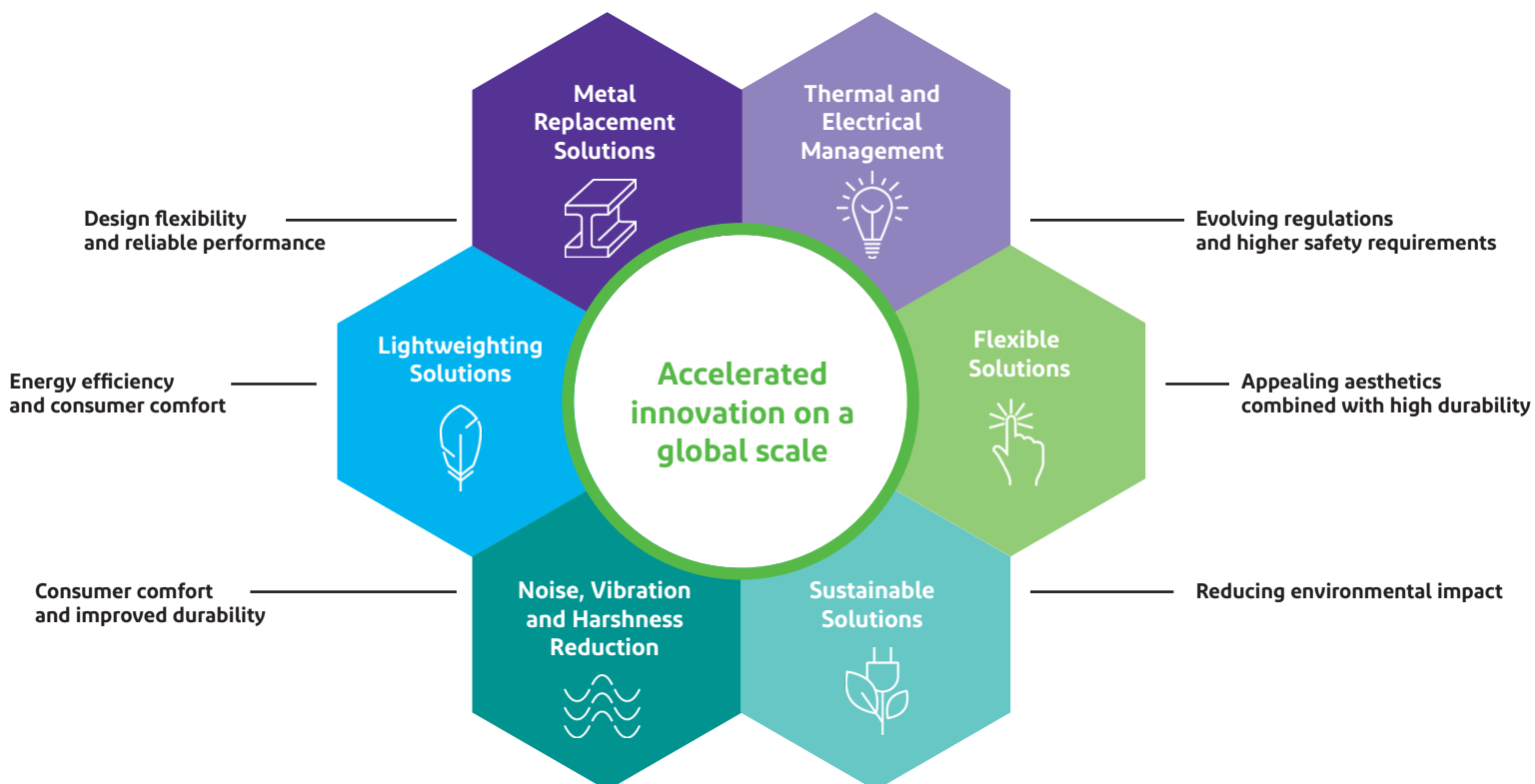
DuPont is proud to be a reliable and innovative material supplier to the appliances industry.

Whether it is for smart home innovations that demand higher energy efficiency, increased consumer comfort and safe operations, enhancing the performance of appliances while minimizing audible noise or ensuring environmentally safe solutions, DuPont's engineered polymers have been proven in a variety of home appliances around the globe.

We offer the industry's broadest range of high performance polymers, and we continue to drive material innovation to solve evolving challenges in the appliances industry.

Appliance Industry Challenges and DuPont Solutions

DuPont material solutions help solve the appliance industry's toughest challenges and support accelerated home appliance innovation on a global scale



DuPont Material Solutions for Home Appliances



Metal Replacement Solutions



Manufacturing and new product development are both faster-paced and more complex than ever, with metal replacement often a key to reducing weight, cost savings, and improving production times.

- Greater design flexibility from integration of multiple components
- System cost savings from process simplification and reduced assembly steps
- Inherent electrical insulation

Rynite®, Zytel® HTN, Zytel®



Thermal & Electrical Management Solutions



Safety is paramount for the appliances industry. DuPont engineering polymers have been proven in home appliances and we continue to drive material innovation to meet the highest industry safety standards.

- Proven high RTI & high CTI solutions that ensure durability and safety
- Pre-approved EIS system components that save customer costs and qualification time
- Advanced NHFR technology that meets evolving regulatory changes
- Extensive encapsulation products and global expertise

Crastin®, Rynite®, Zytel® HTN, Zytel®



Lightweighting Solutions



Global supply chains, a growing focus on environmental sustainability, and increasing portability of small appliances demand lighter products without sacrificing function and durability.

- Lighter appliances made with a lower density material improves consumer comfort
- Higher energy efficiency, longer battery life and lower emissions
- CAE and design support for optimal part design

Crastin®, Rynite®, Zytel® HTN, Zytel®



Flexible Solutions



Flexible goods that offer unique touch and feel sensations provide a competitive advantage in today's marketplace. Coupled with excellent durability, our flexible solutions suite provide a winning combination.

- Soft touch materials for good haptics and aesthetics
- Low shore A to high shore D products
- Great over-molding solutions with good PC/ABS adhesion
- Seals and gaskets solutions with low compression sets

Hytrel®, Multiflex®, TPSiV®



Noise, Vibration, and Harshness Reduction



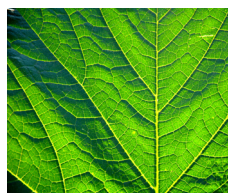
Smart home innovations, like new generation robotic vacuum cleaners, demand higher energy efficiency and more consumer comfort, which poses challenges on materials for lower noise and higher durability.

- Less audible noise with advanced NVH technologies for low squeak and silent gears
- Super tough shock absorber components for effective damping
- Additives and lubricants to lower wear and friction for long term reliability and durability

Hytrel®, Zytel®, Delrin®, Molykote®, SiMB



Sustainable Solutions



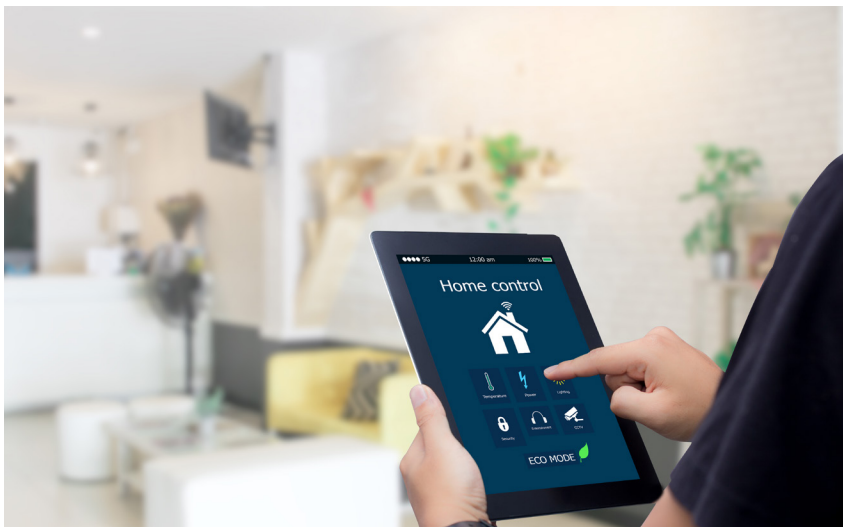
Sustainability is a key market driver and growth lever. Through thoughtful use of materials and designs, DuPont is committed to developing sustainable solutions to society's most pressing challenges.

- Halogen-free and non-hazardous materials
- Food contact and drinking water safe products
- Recycled offerings and bio-based materials
- High performance materials that extend a product's serviceable lifetime
- Materials that help to deliver a lower or carbon neutral footprint

Crastin®, Rynite®, Zytel® HTN, Hytrel®, Zytel®, Delrin®

Transportation & Industrial

DuPont Transportation & Industrial (T&I) delivers a broad range of technology-based products and solutions to the consumer goods, industrial, transportation, electronics and healthcare markets. T&I partners with customers to drive innovation by utilizing its expertise and knowledge in polymer and materials science. T&I works with customers throughout the value chain to enable material systems solutions for demanding applications and environments. For additional information about DuPont Transportation & Industrial, visit dupont.com.



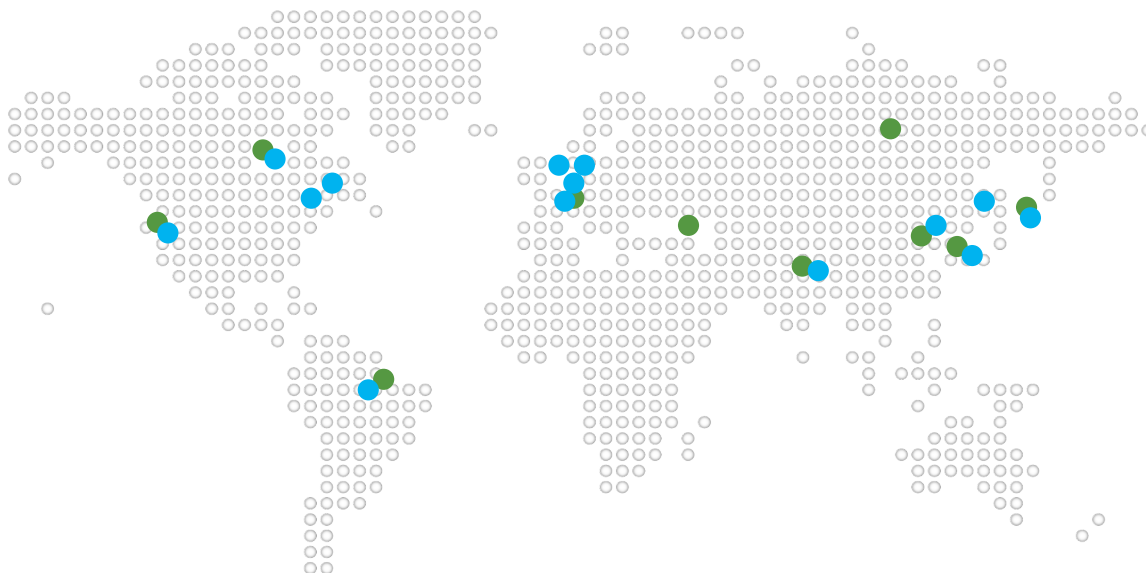
Global capability. Local solutions.

● Innovation Centers

- Brazil
- China
- India
- Russia
- Switzerland
- Japan
- Taiwan
- Turkey
- United States
- Silicon Valley
- Troy, MI

● Major R&D Centers

- Brazil
- China
- Denmark
- Korea
- Germany
- Netherlands
- Switzerland
- Japan
- Taiwan
- India
- United States
- Palo Alto, CA
- Wilmington, DE
- Marlborough, MA
- Midland, MI



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Transportation & Industrial

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