



**Tyvek**<sup>®</sup>  
For greater good<sup>™</sup>

**Tyvek**<sup>®</sup> — Advancing sustainability

◀ **DUPONT** ▶<sup>™</sup>

For more than 200 years, DuPont has remained rooted in science, driven by engineering and united by purpose. We exist to solve some of the world's greatest challenges—empowering the world with the essential solutions to thrive.

DuPont has been at the forefront of the sustainability movement for decades. We were one of the first companies to publicly establish sustainability goals more than 25 years ago and among the first to appoint a Chief Sustainability Officer.

Between 2010 and 2016, we invested nearly \$6 billion and introduced nearly 3,500 new products as part of our corporate goal to develop products that are safer, healthier or more sustainable. In 2017, we decreased our coal consumption by approximately 85%.

Our 2020 sustainability goals include ongoing efforts to reduce energy consumption, lower greenhouse gas emissions and minimize waste, as well as to reduce water risks at sites in water-stressed areas.

- In 2017, we achieved a 14.9% energy intensity reduction. This surpassed our 2020 energy goal of a 10% reduction.
- From 2016 to 2017, we reduced our total water withdrawal by 8%.
- In 2017, we recorded an 89% increase in total beneficial use of waste (reuse, recycling, composting, etc.) compared to 2016.




DuPont™ Tyvek® manufacturing sites are ISO 14001 certified.



In 2017, DuPont earned an A- Leadership Band in the Carbon Disclosure Project.



We lead by example—creating innovative, sustainable solutions while reducing our environmental footprint and supporting the communities in which we operate around the world.

A photograph of two young children playing on a blue slide at a playground. The girl, on the left, is wearing a white dress with black polka dots and has her mouth open in a joyful expression. The boy, on the right, is wearing a red long-sleeved shirt under a dark vest and is also laughing. The background is a bright, hazy sunset with trees and other playground equipment visible in the distance.

Recycling programs can give worn or discarded Tyvek® products a second life in a range of new uses, including park benches and playground equipment.

Tyvek® products extend our commitment to sustainability through their unique properties and performance characteristics.

### Low additives

DuPont™ Tyvek® is made without plasticizers or restricted chemicals listed in European Directives, such as RoHS (Directive 2015/863/EU) or REACH Substances of Very High Concern (SVHC).

### Light weight

The superior strength-to-weight ratio of Tyvek® potentially can reduce energy use in transportation compared to heavier competitive products.

Tyvek® is tough and tear-resistant, offering unique performance benefits in goods like envelopes, product packaging, cargo covers and protective apparel.

It's also easily recycled. Where available, Tyvek® recycling programs offer customers the opportunity to divert qualifying used Tyvek® goods away from the waste stream and give them a second life in products like pallets, park benches and playground equipment. Businesses may also realize significant savings by participating in the Tyvek® recycling program.

### Less waste

Low material weights, high durability and stable, functional performance result in less energy and resource consumption, as well as less material waste at the end of product life.

### Recyclability

Tyvek® is made of high-density polyethylene (HDPE) and is recyclable.



Because Tyvek® is a high-value recyclable material, we encourage recycling. However, if landfilling is necessary, Tyvek® is an inert material, and will not leach harmful compounds into groundwater.

Tyvek® can be safely incinerated and, under optimal conditions, will lead to only the release of water and carbon dioxide, leaving no residue. In fact, it can even be used as fuel, yielding more than twice the energy value of coal, and as much energy as oil, in terms of BTU rating.

Not only does Tyvek® bring unique performance benefits to a variety of applications, it's also recyclable—giving products made with Tyvek® a second life.



### **Tyvek® cargo covers**

The indisputable sustainable alternative to other passive cargo protection solutions. When recycled, Tyvek® cargo covers can be transformed into a range of new materials, from recycled plastic lumber to marine engineering products and much more.



### **Tyvek® Medical & Pharmaceutical Protection**

Tyvek® can support lighter, stronger packaging designs that weigh less or take up less space, helping to lessen the environmental impact of transportation all along the supply chain. And, as a founding member of the Healthcare Plastics Recycling Council (HPRC), we continue to take a leadership role in addressing the challenges of enabling cost-effective recycling solutions for healthcare plastics.



### **Tyvek® for building envelopes**

Tyvek® for building envelope products not only help protect homes against bulk water intrusion and air infiltration, they are National Green Building Standard (NGBS) Green certified products that contribute to the reduction of fossil fuel usage. In addition, homes built with Tyvek® for building envelope products reduce annual energy costs up to 20% for homeowners compared to homes built without an air or water barrier.



### **Tyvek® envelopes**

Tyvek® envelopes are incredibly tough, yet lightweight, and easy to use. The exceptional durability of Tyvek® envelopes makes them ideal for reuse. And, compared to alternative shipping methods like cardboard boxes, Tyvek® envelopes are resource efficient and help to reduce the amount of packaging materials required to protect contents during transit. DuPont manages a recycling program in North America for used Tyvek® envelopes.



### **Tyvek® protective apparel**

Recycling used Tyvek® protective apparel reduces overall waste to landfills and helps meet corporate solid waste reduction goals. DuPont offers a free-of-charge Recycling Program for customers in the U.S. Customers using laundered garment services may want to evaluate the merits of the Tyvek® protective apparel recycling program.



### **Tyvek® for graphics & consumer goods**

From maps and guides to books, wristbands, reusable tote bags and lifestyle goods, printing on or designing with Tyvek® helps the products look unique and last longer than ever before. These items can be recycled and are often reused in new ways or even upcycled, such as when promotional posters find a new life as bags, wallets and containers.



In 2018, Hyundai department store of South Korea produced 70,000 bags made with Tyvek® to replace the use of disposable plastic bags. Additional designs are being explored for 2019.



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[sustainability.tyvek.com](https://sustainability.tyvek.com)

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