



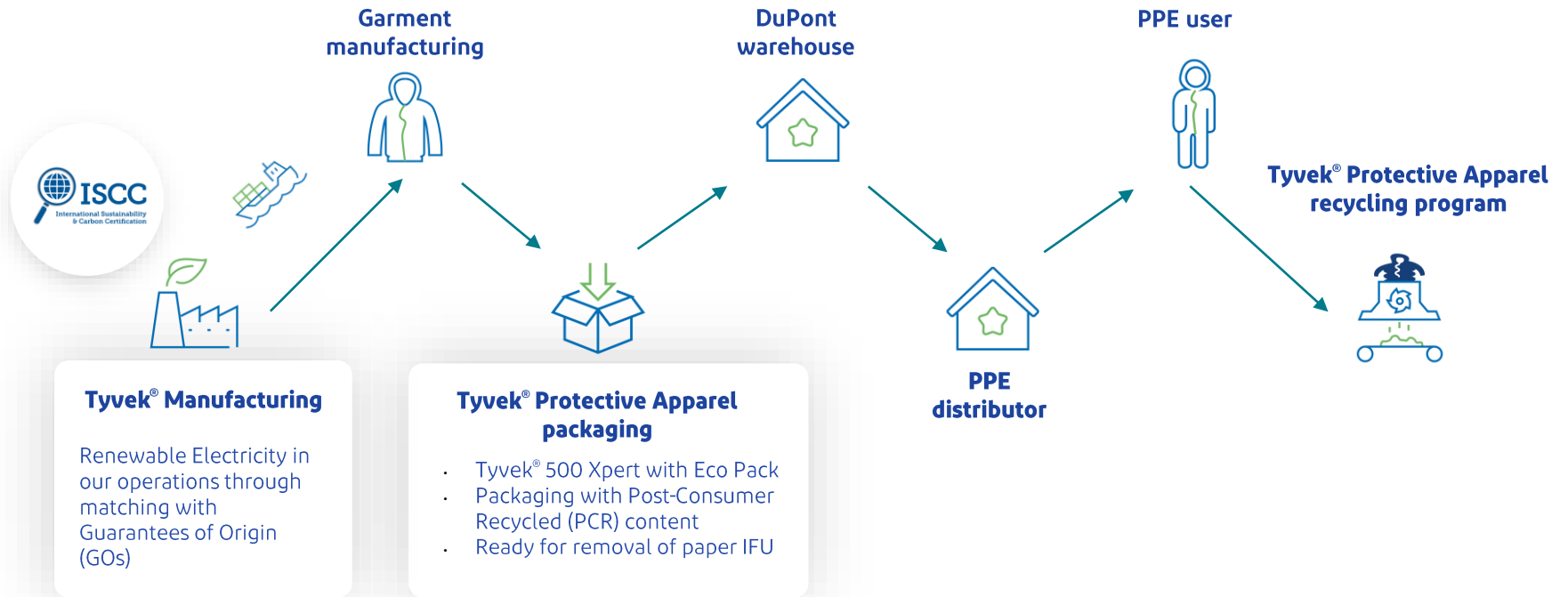
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Tyvek®

Forward
Together™ 

DuPont™ Tyvek®
500 Xpert BioCircle™

Sustainability Initiatives Across the Value Chain





The road to a more sustainable future in protective clothing

> Tyvek® 500 Xpert BioCircle™ : Same Trusted Protection Now with Significantly Lower Climate Impact

- ✓ Tyvek® 500 Xpert BioCircle™ adds a **new sustainable option** to DuPont's extensive range of Tyvek® 500 garments, designed to protect workers in various industries against a multitude of hazards, including a broad range of chemicals and harmful fine particles or fibers. It offers chemical, biological, and antistatic protection in a single garment.
- ✓ The high-density polyethylene (HDPE) used to make the fabric for Tyvek® 500 Xpert BioCircle™ is attributed to **100% bio-circular feedstock** manufactured in **an ISCC-compliant** fabric production process using mass balance approach.
- ✓ Independent and peer-reviewed cradle-to-gate LCA of the new garment, alongside DuPont's own additional modelling, has shown that Tyvek® 500 Xpert BioCircle™ achieves a minimum **58% reduction in climate change impact**.*

*Compared to standard Tyvek® 500 Xpert and including biogenic carbon



The chest label featuring a teal border distinguishes the Tyvek® 500 Xpert BioCircle™, which also carries an **ISCC PLUS** label on its packaging:



> Journey Leading to this Product Development

DuPont commissioned an independent, **third-party lifecycle assessment (LCA)**, to identify environmental hotspots in its manufacturing processes. We also collected feedback from customers on their sustainability priorities.



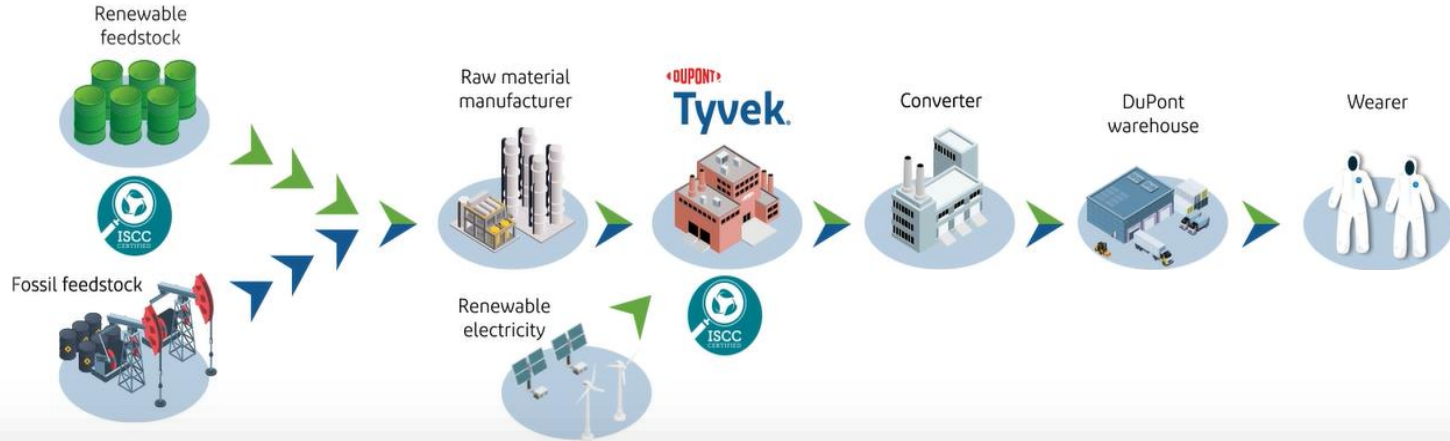
The analysis revealed opportunities to enhance the climate performance of materials used in Tyvek® production, leading DuPont to innovate and implement solutions to **reduce environmental impact**.



DuPont adopted International Sustainability and Carbon Certification (ISCC) procedures **with ISCC Plus certification** in 2023 to help reduce environmental impacts, while maintaining the demanding quality and performance requirements of its Tyvek® protective solutions.



Enabling a More Sustainable Supply Chain



Bio-circular HDPE is sourced from raw materials that come from renewable biological waste and residues, such as used cooking oil or agricultural by-products. ISCC PLUS is a voluntary, globally recognized certification that ensures transparent and responsibly sourced bio-circular materials throughout the entire value chain.

ISCC PLUS verifies the mass balance allocation system, enabling us to incorporate bio-circular HDPE feedstock into our existing manufacturing process while preserving the proven high quality of Tyvek® fabric.

> Product Details

DuPont™ Tyvek® 500 Xpert BioCircle™

- Hooded coverall.
- Ergonomic-protective design.
- Stitched external seams.
- Elasticated wrists, ankles and face.
- Elasticated waist (glued-in).
- Tyvek® zipper and flap.
- White.

Full Part Number:

TYCHF5SWHBC

Fabric: Tyvek®

Design: Hooded coverall with elastics

Quantity/Box: 25 EAs per box, individually packed

D-code	Size
D15582584	SM
D15582585	MD
D15582586	LG
D15582587	XL
D15582588	2X
D15582589	3X



> Summary

Tyvek® 500 Xpert BioCircle™ equals:

- ✓ 58% reduction in climate change impact over cradle to gate lifecycle including biogenic carbon.
- ✓ Maintains the same high-quality protection that Tyvek® is known for.
- ✓ Made with Tyvek® fabric linked to bio-circular HDPE.



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This information is based upon technical data that DuPont believes to be reliable. It is subject to revision as additional knowledge and experience become available. It is the user's responsibility to determine the level of toxicity and the proper personal protective equipment needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. This information is intended for use by persons having the technical expertise to undertake evaluation under their own specific end-use conditions, at their own discretion and risk. Anyone intending to use this information should first check that the garment selected is suitable for the intended use. The end-user should discontinue use of garment if fabric becomes torn, worn or punctured, to avoid potential chemical exposure. Since conditions of use are beyond our control, DUPONT DE NEMOURS, INC. AND ITS AFFILIATES MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THESE PRODUCTS AND INFORMATION. This information is not intended as a license to operate under or a recommendation to infringe any trademark, patent or technical information of DuPont or other persons covering any material or its use.