



TILSATEC

EnVision®

People. Planet. Protection.



EnVision®
Sustainable Range
Product Guide

As a business, Tilsatec recognise the need for action and change, now. Our planet is warming at an alarming rate, and we know we need to play our part in reducing harmful emissions.

We are committed to our climate pledge of reaching Net Zero by 2050.

That's why we're working hard across all our teams to create positive change in manufacturing, logistics, energy consumption, recycling, raw materials and our supply chain to bring you high performance hand and arm protection which allows you to reduce your carbon footprint and take energy intensive products out of your supply chain.

With core business teams now certified carbon literate, we're building out and delivering on our CRP (Carbon Reduction Plan) which you can read more about in our 2024-25 Sustainability Report.

Tilsatec EnVision is the umbrella under which our sustainability program sits and it's underpinned by our 3 key pillars; **People, Planet, Protection.**



People

As a member of Sedex we are committed to being a responsible business, sourcing responsibly, and improving ethical standards and working conditions within the supply chain. All our manufacturing sites globally adhere to the Sedex Members Ethical Trade Audit (SMETA) or equivalent, but we also have our own stringent standards and criteria we set for our operations.



Planet

Utilising our yarn engineering expertise, we aim to replace virgin synthetic material with recycled and/or plant-based yarns.

- Reduce carbon footprint working towards Net Zero by 2050
- Removing single use plastics from our inner packaging
- FSC certified recycled carton packing, inner packaging, catalogues and print materials
- Reduce the use of chemicals and solvents in all operations



Protection

Deliver hand protection solutions to meet all handling tasks from general purpose through to high cut, each with a sustainable yarn content of >50%.

The Tilsatec EnVision range sets a new standard in environmentally friendly gloves that don't compromise on comfort, dexterity or durability.



ENVIRONMENTAL, SOCIAL & GOVERNANCE



An important step in our journey is partnering with **Positive Planet**, an independent consultancy that works with businesses to turn their sustainability goals into meaningful action. We're proud to be working with Positive Planet on our goal of achieving net zero and this has allowed us to work on our 5 step Environmental, Social and Governance program.

OUR 5 STEP PROGRAM



MEASURE

We are measuring our carbon emissions annually and from our baseline measurement in 2022 we have reduced our overall footprint by 5% in 2023. For 2024 and beyond we are working towards a more ambitious target of >9% per annum to keep us on track to achieve net zero by 2050.



REDUCE

We have created a robust carbon reduction plan aligned with science-based targets, implementing strategies for these changes, and diligently executing these actions to minimize our carbon footprint.



COMMUNICATE

To ensure transparency and accountability, we pledge to deliver annual Sustainability Reports. This commitment will enable businesses that choose Tilsatec as their trusted hand, arm, and body protection supplier to track our progress easily.



MITIGATE

Upon implementation of our carbon reduction plan, we are dedicated to offsetting any remaining carbon emissions which cannot be eradicated to further mitigate our environmental impact.



CERTIFY

Reinforcing our dedication to environmental sustainability, in 2025 we will implement a certified ISO 14001 Environmental Management System, and continue our journey to net zero accreditation.

The EnVision glove range has been designed to provide end users with a credible, viable, more sustainable alternative to their current hand protection that doesn't mean compromising on protection, comfort or significantly higher prices.

Specifying EnVision® hand protection helps to solve a major, emerging issue for businesses - how to reduce the impact of their supply chain without compromising protection for their workforce. Using EnVision® gloves allows distributors and end users to reduce their carbon footprint and take energy-intensive products out of their supply chain.

As a conscientious PPE manufacturer, we recognise the need to continually look at the raw materials used in our products, opting for bio-plant based or recycled yarns where possible.



Bio-based Dyneema® is the first ever bio-based ultra-high molecular weight polyethylene fibre, reducing reliance on fossil fuel based resources. All bio-based Dyneema® fibres have the exact same characteristics and performance as conventional Dyneema®. Made from trees (a bi-product of pulp and timber) this is known as the mass balance approach, certified by ISCC (International Sustainability & Carbon Certification).



Carbon emissions reduced by >600g for every pair of gloves made with Bio-Based Dyneema®, when compared to Generic HMPE yarn.

Product Packaging

Quantities of 12 pairs come wrapped in an FSC paper band.

Outer cartons contain 72 pairs per carton for sizes 6, 7 & 11, 120 pairs per carton for sizes 8, 9 & 10.



>50%
sustainable
yarn content
in all
EnVision® products



55-1825

CUT
A

EnVision® plant-based cut level **A** glove with microfoam palm coating

Gauge	15gg
Colour	Green liner / Black coating
Cuff Style	Knit wrist
Length	220-270mm
Sizes	6/XS - 11/2XL
Packaging	12 pairs/paper band Sizes 6, 7 & 11 72 pairs/carton Sizes 8, 9 & 10 120 pairs/carton

Applications / Industries

- Intricate assembly
- Automotive downstream
- Aftermarket / Component handling
- Construction
- White goods manufacturing
- Aerospace
- Logistics and warehousing



55-3825

CUT
C

EnVision® plant-based cut level **C** glove with microfoam palm coating

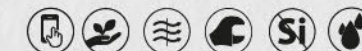
Gauge	15gg
Colour	Green liner / Black coating
Cuff Style	Knit wrist
Length	220-270mm
Sizes	6/XS - 11/2XL
Packaging	12 pairs/paper band Sizes 6, 7 & 11 72 pairs/carton Sizes 8, 9 & 10 120 pairs/carton

Applications / Industries

- Intricate assembly
- Automotive downstream
- Aftermarket / Component handling
- Construction
- White goods manufacturing
- Aerospace



- Certified 29% bio-based content awarded Eurofins bronze badge
- Manufactured using a unique combination of plant and bio-based yarns
- Carbon footprint: 422g CO₂e per pair
- LCA (Life Cycle Assessment) conducted
- Less water consumption and energy usage
- Level C cut resistance to EN388:2016+A1:2018
- Accredited plant-based by the Vegetarian Society
- Touchscreen compatible reducing need to remove gloves
- Thumb crotch reinforced for additional resilience in high action area
- Microfoam palm coating delivers secure dry and oil grip
- Incredible fine tactility and dexterity, close fitting and soft comfort



55-1725

CUT
A

EnVision® cut level **A** glove with microfoam palm coating

Gauge	15gg
Colour	Navy liner / Black coating
Cuff Style	Knit wrist
Length	220-270mm
Sizes	6/XS - 11/2XL
Packaging	12 pairs/paper band Sizes 6, 7 & 11 72 pairs/carton Sizes 8, 9 & 10 120 pairs/carton

Applications / Industries

- Intricate assembly
- Automotive downstream
- Aftermarket / Component handling
- Construction
- White goods manufacturing
- Aerospace
- Logistics and warehousing



- 65% of the glove is made with sustainable materials (incl. coating)
- Manufactured using a unique combination of recycled polyester (rPET) and recycled nylon (rPA) resulting in a total CO₂ reduction of >320 grams*
- Energy savings of 0.276 kwh and 6 litres less water consumption per pair
- Level A cut resistance to EN388:2016+A1:2018
- High level abrasion resistance (>20,000 cycles) gives durability and increases life span
- Touchscreen compatible reducing need to remove gloves
- Thumb crotch reinforced for additional resilience in high action area
- Microfoam palm coating delivers secure dry and oil grip
- Incredible fine tactility and dexterity, close fitting and soft comfort
- Food approved against aqueous foodstuffs



*Versus same style using virgin materials

EN388:2016



4 X 4 2 A



55-3725

CUT
C

EnVision® cut level **C** glove with microfoam palm coating

Gauge	15gg
Colour	Navy liner / Black coating
Cuff Style	Knit wrist
Length	220-270mm
Sizes	6/XS - 11/2XL
Packaging	12 pairs/paper band Sizes 6, 7 & 11 72 pairs/carton Sizes 8, 9 & 10 120 pairs/carton

Applications / Industries

- Intricate assembly
- Automotive downstream
- Aftermarket / Component handling
- Construction
- White goods manufacturing
- Aerospace



- 64% of the glove is made with sustainable materials (incl. coating)
- Manufactured using a unique combination of Bio Based Dyneema and recycled polyester (rPET) resulting in a total CO₂ reduction of >820 grams per pair*
- Energy savings of 0.302 kwh and 4 litres less water consumption per pair
- Level C cut resistance to EN388:2016+A1:2018
- Touchscreen compatible reducing need to remove gloves
- Thumb crotch reinforced for additional resilience in high action area
- Microfoam palm coating delivers secure dry and oil grip
- Incredible fine tactility and dexterity, close fitting and soft comfort



*Versus same style using virgin materials

EN388:2016



4 X 4 2 C



55-6725

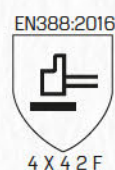
CUT
F

EnVision® cut level **F** glove with microfoam palm coating

Gauge	15gg
Colour	Navy liner / Black coating
Cuff Style	Knit wrist
Length	220-270mm
Sizes	6/XS - 11/2XL
Packaging	12 pairs/paper band Sizes 6, 7 & 11 72 pairs/carton Sizes 8, 9 & 10 120 pairs/carton

Applications / Industries

- Intricate assembly
- Automotive downstream
- Aftermarket / Component handling
- Construction
- White goods manufacturing
- Aerospace



- 54% of the glove is made with sustainable materials (inc. coating)
- Manufactured using a unique combination of Bio Based Dyneema and recycled polyester (rPET) resulting in a total CO₂ reduction of >780 grams per pair*
- Energy savings of 0.254 kwh and 3.3 litres less water consumption per pair
- Incredible level F cut resistance to EN388:2016+A1:2018
- Touchscreen compatible reducing need to remove gloves between tasks
- Thumb crotch reinforced for additional resilience in high action area
- Microfoam palm coating delivers secure dry and oil grip
- High dexterity and tactility, close fitting and soft comfort



*Versus same style using virgin materials

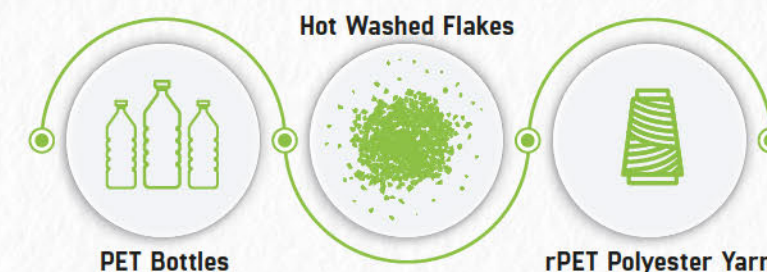


rPET RECYCLING PROCESS

rPET is made by recycling PET, the recycling of plastic bottles. Once processed, the hot washed flakes are used to create new recycled polyester yarn which is then Dope Dyed before production of the EnVision glove range.

Choosing rPET helps create a circular economy by keeping these precious materials that have already been extracted from the earth in circulation.

It supports the recycling industry and we as a company are embracing this change. It saves energy, resources, and rescues these plastics from landfills where they can take thousands of years to break down.



rPET vs Virgin PET



55-1725

CUT
A

>320g

0.276 kwh
Energy Savings

55-3725

CUT
C

>820g

0.302 kwh
Energy Savings

55-6725

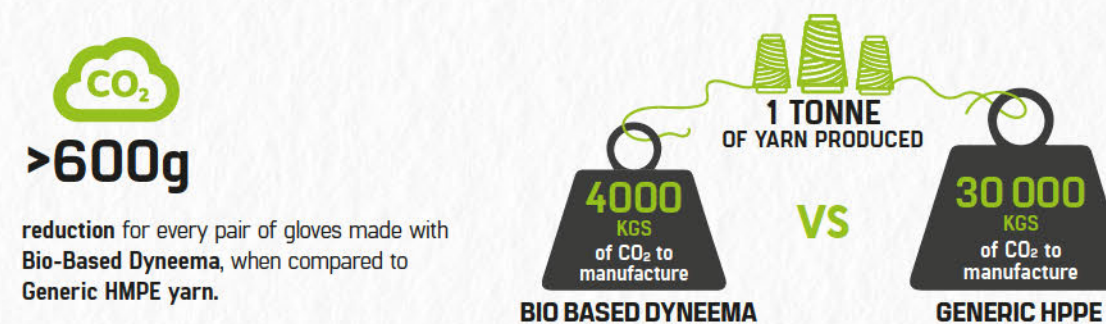
CUT
F

>780g

0.254 kwh
Energy Savings

BIO BASED DYNEEMA VS GENERIC HPPE

Bio-based Dyneema® is the first ever bio-based ultra-high molecular weight polyethylene fibre, reducing reliance on fossil fuel based resources. All bio-based Dyneema® fibres have the exact same characteristics and performance as conventional Dyneema®. Made from trees (a bi-product of pulp and timber).





Tilsatec | +44 (0)1924 375742 | info@tilsatec.com | www.tilsatec.com
TILSATEC LIMITED, Flanshaw Lane, Wakefield, West Yorkshire, WF2 9ND, ENGLAND

