

ECO GLOVES™

COMPOSTABLE POLY GLOVES

“Of the 8.3 billion metric tons of plastic that has been produced, 6.3 billion metric tons has become plastic waste. Of that, only nine percent has been recycled. The vast majority—79 percent—is accumulating in landfills or sloughing off in the natural environment as litter.” – National Geographic

When it comes to disposable gloves, not all gloves are made equal. At Eco Gloves, we believe that protection means not only protection for humans, but also care for the environment. Eco Gloves Compostable Gloves is our commitment to making this world a better place. It is our solution to reducing reliance on plastic and our answer to the glove waste problem.

What are Eco Gloves Compostable Gloves?

Eco Gloves are made from annually renewable resources like corn, cassava, sugarcane and other bio-based components. They're enhanced with our natural Advanced Biopolymer Technology™ (ABT), which helps to accelerate the glove's biodegradation in a compost environment. The biobased materials and acceleration technology enables the gloves to decompose within 120 days without leaving harmful chemicals, microplastics, or toxic residue behind.

How do Eco Gloves Compostable Gloves work?

After Eco Gloves Compostable Gloves are used they should be placed in a compost bin or organic waste bin to be transported to an industrial composting facility. In a compost environment, the gloves break down into natural elements.

Per ASTM standards, the gloves will break down into CO₂, water, inorganic compounds, and biomass. No harmful chemicals, toxic residue, or microplastics are released into the environment during this process. After 100% decomposition, the end result is rich organic soil that can returned back to nature. [Figure 1]

Product Attributes	
	Compostable
	Plant-based
	Ambidextrous
	BPA free
	Powder free
	Standard cuff

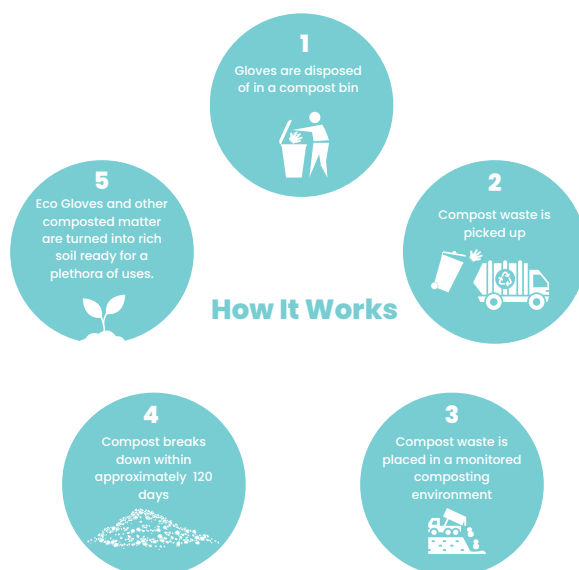


Figure 1: Eco Gloves Plant-Based Compostable Gloves composting process

PRODUCT HIGHLIGHTS

Advanced Biopolymer Technology

Helps accelerate the compostability process of the gloves allowing them to break down completely within approximately 120 days leaving no toxic residue or microplastics behind.

Plant-Based Materials

Uses fewer fossil resources and emits 68% less carbon dioxide in the manufacturing process than petrochemical-based gloves.

Certified Compostable

100% certified compostable meaning they have passed the ASTM 6400 (international) and EN 13432 (European) standards for commercial composting.

Made from Renewable Resources

Eco Gloves' Compostable Gloves are made from annually renewable resources like corn, cassava, sugarcane and other bio-based components, reducing the reliance on petroleum-based materials and placing less strain on natural resources.



WHAT MAKES ECO GLOVES PLANT-BASED COMPOSTABLE GLOVES DIFFERENT?

Our Compostable Gloves are not only superior in durability and quality to the traditional polyethylene gloves, but they promise peace of mind in every environmental aspect.

SUPPORTS SUSTAINABILITY

Eco Gloves are made from annually renewable resources taken from the most abundant, locally available, and sustainable plants like corn, cassava, sugar cane, beets and other bio-based components that are better for the environment. The use of these bio-based materials not only cuts down the reliance on non-renewable resources, but also helps to ease the end-of-life compostability efforts of the gloves.

LOWERS CARBON FOOTPRINT

With use of renewable and sustainable plant-based materials, the production of our Eco Gloves uses 65% less energy than with production of conventional plastics and also generates 68% fewer greenhouse gas, while leeching zero toxins in the process.

REDUCES WASTE

Unlike cheap, thin, and wasteful plastic gloves, Eco Gloves are made of premium vegetable-based ingredients that together create a material with strength, shape and compostability. That means more durability, more uses and less waste for our planet.

NO NASTIES

Our gloves are non-plastic, non-nitrile, latex free, BPA free, powder free, and paraben free so you can use them without worry. They contain no EPI additives, no polyethylene plastics, and decompose into water, carbon dioxide and biomass within approximately 120 days when placed in a controlled composting environment, leaving behind no microplastics and releasing no harmful chemicals during this process.

CERTIFIED COMPOSTABLE

At Eco Gloves we care deeply about preserving the environment. For this reason, we have ensured that our compostable disposable gloves and its packaging are fully certified to the highest standards in the USA and EU. They comply with the U.S. standard ASTM D6400, as well as European TUV Austria for 'OK Biobased' and 'OK to Compost' EN 13432 for backyard composting. Our engineering team adheres to the strictest International Safety Organization (ISO) standards, and all of our products are certified by the Biodegradable Products Institute (BPI).



APPLICATIONS

TYPICAL INDUSTRIES

- Food service
- Janitorial and cleaning services
- Education
- Pet care
- Healthcare
- Automotive
- Agriculture and landscaping
- Public utilities

APPLICATIONS

- Cooking, serving, or handling food
- Cleaning and disposing of trash
- Handling of public areas
- Pet care and pet waste clean ups
- Gardening, planting, and carrying various items
- Beauty/hair dressing
- Child care such as diaper changing
- Waxing and painting
- Pumping gas and handling of germ surfaces



RECOMMENDATIONS

- Single use only
- Non-sterile; Non surgical gloves
- Do no use in case of heavy chemical exposure, electrical or thermal risk
- Store unopened in a cool dry place within the temperature range of 5°C to 25°C and away from direct sunlight and humidity

CERTIFICATIONS



**IN COMPLIANCE WITH
/CONFORMÉNT AU
§ 21 CFR 177.2600;**

Eco Gloves are manufactured and certified to comply with Direct Food Contact Use in accordance with FDA standard FDA 21 CFR 177.1350



Eco Gloves are internationally certified compostable and have been manufactured to comply with internationally recognized composting standards: EN 13432, AS 5810, ASTM 6400, ASTM D6868.

BPI CERTIFIED

The BPI Compostable Logo is the most widely recognized symbol for compostable plastic products in North America. The Compostable Logo provides credibility and confidence that Certified Compostable products will biodegrade as expected.



Products carrying this symbol have been scientifically proven to biodegrade and compost quickly, safely and completely in municipal and commercial composting operations.

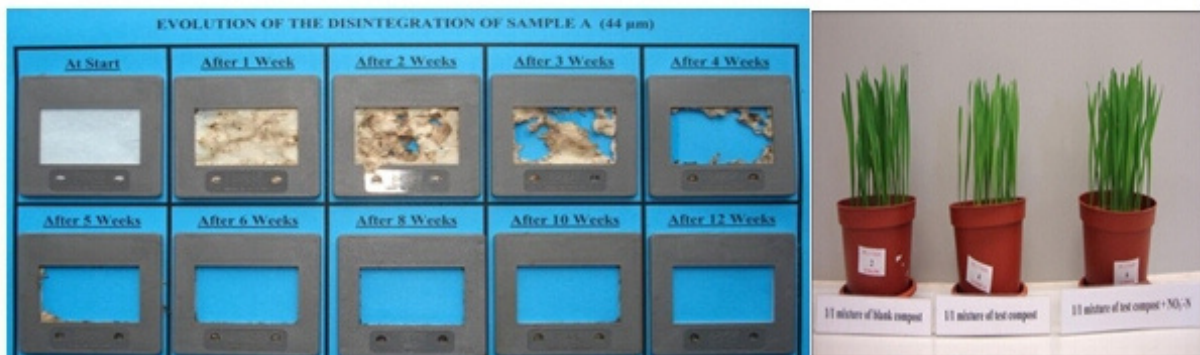


BIODEGRADATION METHOD

Eco Gloves will decompose into water, carbon dioxide and biomass in approximately 120 days when placed into a controlled composting environment or compost system. No harmful chemicals are released into the environment during this process. After 100% decomposition, the end result is rich organic soil that can returned back to nature.

Note: Glove material is designed to only break-down in a compost environment and will not degrade under normal storage conditions. However, due to the starch-based nature of the gloves, the molecules bonding the seams can weaken over time beyond the shelf life of 12 months. As a best practice, only keep only as many as you can use within 9 months to avoid any concerns of degradation in structure or quality. It is recommended the gloves are kept sealed and away from moisture, sunlight and heat when unused.

BIODEGRADATION STANDARDS



International Standard EN 13432 is the recognized standard for biodegradable plastics. Biodegradable plastics adhering to these standards must pass four phases of testing in order to classify as "Compostable". The test results shown above demonstrates how our Eco Gloves material meet all EN 13432 standards: (1) The glove material's volatile content meets the permissible levels and testing requirements, (2) After 12 weeks, composting tests reveal 90% of the material disintegrates to particles smaller than 2mm, (3) After 4 months, biodegradation tests reveal 90% of the material breaks down completely into CO₂ and water, (4) Toxicity testing using plant seedlings reveals that the decomposition of our glove materials leaves behind no harmful chemicals, and in fact, serves as rich fertilizer to help plants grow.