

OUR FIRST BIODEGRADABLE NITRILE GLOVE

Unigloves holds sustainability at the heart of our business. We care about the community along with the environment and hold that at the forefront of thought for any new product innovation. Unigloves latest green initiatives have been brought to light with the launch of our biodegradable disposable glove, BioTouch.

 **BIOTOUCH**[®]
an Advanced series glove



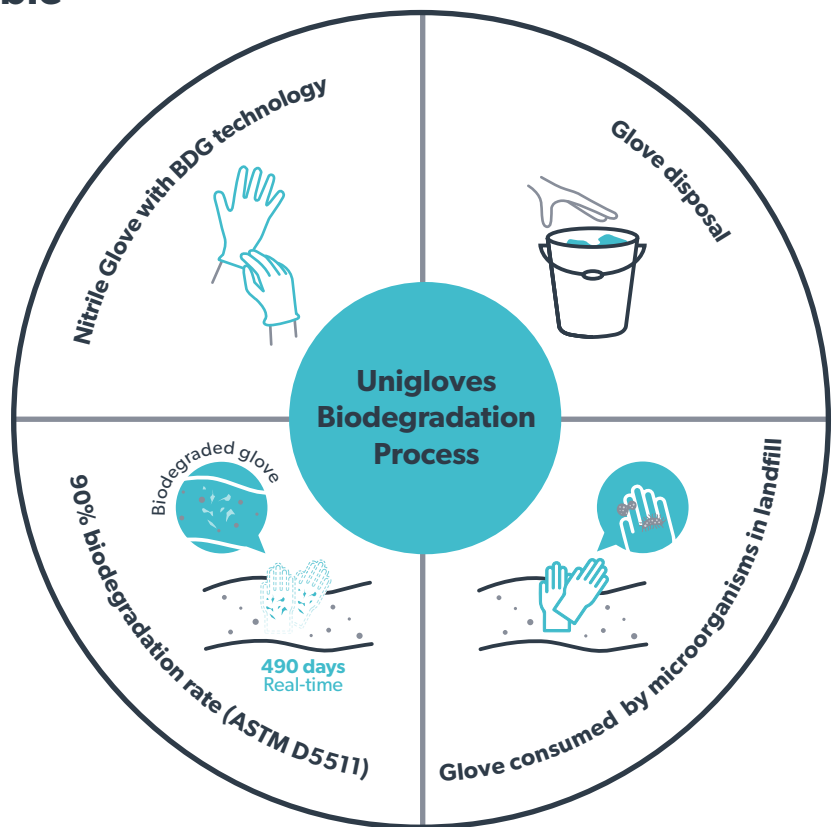
 **UNIGLOVES**[®]
KEEPING YOU SAFE

? What is Biodegradable Technology?

- ✓ BioTouch contains a biodegradable technology that kickstarts a biodegradation process only when discarded in an active landfill environment. **BioTouch is more environmentally friendly with a much faster natural breakdown** compared to regular nitrile which can take over 100 years.

? How does Biodegradable Technology work?

- ✓ This technology works through the introduction of a polymerised 'food source' during the manufacturing process, bacteria attracted to this secrete an enzyme that breaks down and depolymerises polymer chains, allowing microorganisms to break down any remaining polymers within the glove naturally. The introduction of this technology is incorporated into existing manufacturing techniques, therefore not impacting the quality of the glove.



90%
biodegradation in just
490 DAYS



? **Will the glove begin to biodegrade in the packaging?**

- ✓ No. BioTouch will not biodegrade before disposal. This distinctive technology allows the biodegradation process to begin only when surrounded by microorganisms present in an active landfill environment. **Studies have shown that these gloves fully maintain their quality and integrity for at least 3 years.**

? **How long does it take for BioTouch to biodegrade?**

- ✓ The ASTM long term testing is in place to verify the extent of biodegradation. This test imitates landfill environments by limiting oxygen, light, heat, and moisture and imitates high pressure. The results of this test showed that the compounds in **BioTouch result in 90% biodegradation in just 490 days compared to regular nitrile, which can take over 100 years.**

? **What is the difference between biodegradable and compostable?**

- ✓ The term biodegradable refers to a substance that will be broken down into natural components with the help of fungi, bacteria or other natural methods, however for a product to be labelled as such, it must be able to be converted into organic material. Synthetic products can take hundreds of years to break down whereas BioTouch biodegrades to 90% within 490 days.

A notable difference between a product that is biodegradable, and a compostable product is that compostable products leave behind an organic material called humus, whereas biodegradable products break down into natural elements.

? **Why biodegradable gloves?**

- ✓ Support green endeavours and enhance your company's ecological efforts with a biodegradable disposable glove. Due to the manufacturing processes, you can be confident that you will receive the same excellence and reliability that you're familiar with from Unigloves disposable gloves whilst maintaining a greener footprint. BioTouch also have the same shelf life as traditional nitrile gloves, therefore you won't need to compromise your product to receive these benefits.

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FEATURES & BENEFITS

- ✓ Tested to **EN374, EN1186, ASTM D5511** and **ASTM D5526**
- ✓ **AQL 1.5** and **EN455** parts 1-4
- ✓ Nitrile formulation conforms to the hand during use ensuring a dexterous and comfortable fit
- ✓ Touchscreen compatible and manufactured with textured fingertips

To save paper and protect our environment, please do not print this PDF. It is available, along with further information on sustainability, on the Unigloves website unigloves.co.uk

UNIGLOVES UK

3 Ambley Green, Gillingham Business Park,
Gillingham, Kent, ME8 0NJ

 unigloves.co.uk



+44 (0)800 049 6602



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a market-leading
manufacturer and
supplier of premium
quality, specialist,
single use and
reusable gloves.

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