Rethink

to save the environment

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PRODUCT IMAGE

DESCRIPTION

NITRILE EXAMINATION GLOVES - BIODEGRADABLE
ITEM NO.: BDGN100G
UNITS PER BOX: 100 GLOVES PER BOX
BOX DIMENSIONS: 22.5 x 12 x 6.3cm
BOXES PER CARTON: 10
UNITS PER CARTON: 1000
CARTON DIMENSIONS: 33 x 25 x 24cm

MATERIAL: 100% Nitrile
SURFACE: Textured Finger
COLOUR: Green

STANDARDS & CERTIFICATIONS:
EN374, EN455, ASTM D6319, ASTM D5511, ARTG372591

REGULATORY COMPLIANCE

21 U.S.C.ch.9	EU 2016/425
MDD 93/42/EEC	EC 10/2011
REACH	EC 1935/2004

THICKNESS:

Location	Single Wall (mm)
Finger	>0.08mm / 3.1
Palm	>0.05mm / 2.0
Cuff	Standard

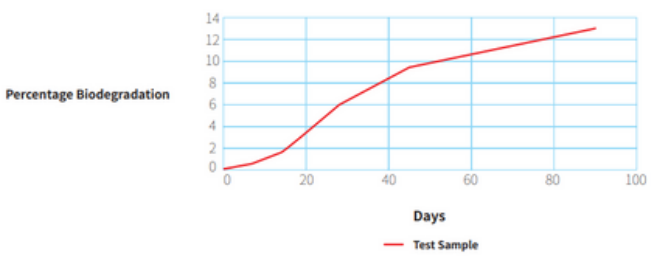
INTENDED USE:
Saniflex Biodegradable Nitrile Examination Gloves are specially designed to biodegrade in both anaerobic and aerobic conditions in landfills.

FEATURES:
1. Excellent mechanical strength provides a high level of hand protection.
2. Textured in finger tips for a secure grip.
3. Protection against bacteria and fungi.
4. Skin irritation&sensitization tested.

Nitrile Gloves Factory

Saniflex nitrile gloves are produced with high speed, double track production lines and surface-treated by chlorine which makes gloves smooth and easier to wear.
Advanced quality management model can efficiently maintain the quality of gloves over the corresponding standard for different fields.
Reasonable technology design and energy management system can effectively reduce the energy consumption. Meanwhile, advanced water recycling system and chemicals recycling system can synergistically reduce the sewage discharge.
All these assistant systems make production lines more efficient and environmentally-friendly.

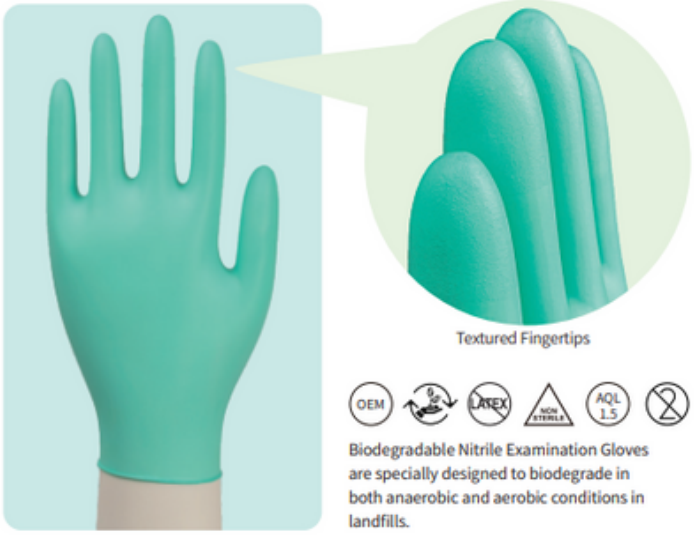
Biodegradation ability and process



Biodegradation rate will increase with the extension of time

Biodegradation test		
45days	Standard biodegradation rate ⩾ 5%	Test results ≈ 9.57%
90 days	Standard biodegradation rate ⩾ 10%	Test results ≈ 13.14%

Biodegradable Nitrile Examination Gloves

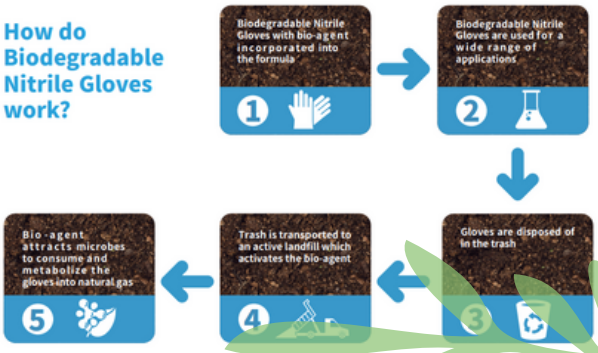


Biodegradable Nitrile Examination Gloves are specially designed to biodegrade in both anaerobic and aerobic conditions in landfills.

Exterior Design

100 pcs/box
Size 225*120*63mm
100 Units

How do Biodegradable Nitrile Gloves work?



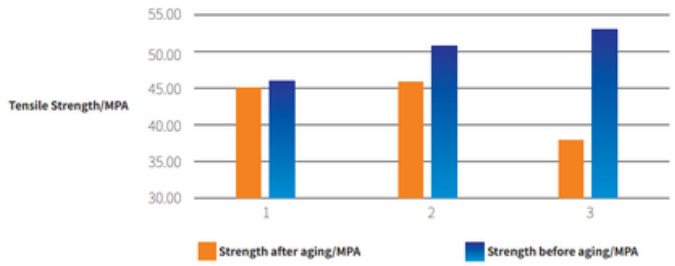
Features

- 100% Nitrile, Biodegradable, Powder-Free, Surface-Chlorinated
- Available in green, blue, blue violet
- Beaded cuff ensures easy donning and prevent roll down
- Textured fingertips enhanced wet and dry grip
- Decreased risk of allergies
- Excellent chemical splash protection
- Protection against bacteria and fungi
- Superior strength with better puncture resistance
- Excellent tactile sensitivity

Properties: Biodegradable nitrile gloves do not degrade under normal conditions, and their performance is the same as that of ordinary nitrile gloves. The gloves degrade only in microbial soil.

Standard Quality

EN374 EN455 ARTG372591 ASTM D6319 ASTM D5511



The introduction of degradation additives does not affect nitrile gloves' overall mechanical properties and aging resistance!

Specification

2.5 Mil Biodegradable Nitrile Gloves

Glove Length (mm/inches) min:
240 / 9.5
Palm Thickness (mm/mil):
0.06±0.02/2.4±0.8
Finger Thickness (mm/mil):
0.09±0.02/3.5±0.8
Unite Weight (g):
S 3.0±0.3g
M 3.3±0.3g
L 3.6±0.3g
XL 4.0±0.3g

3 Mil Biodegradable Nitrile Gloves

Glove Length (mm/inches) min:
240 / 9.5
Palm Thickness (mm/mil):
0.08±0.02/3.2±0.8
Finger Thickness (mm/mil):
0.12±0.02/4.8±0.8
Unite Weight (g):
S 4±0.3g
M 4.4±0.3g
L 4.7±0.3g
XL 5±0.3g

4.0 Mil Biodegradable Nitrile Gloves

Glove Length (mm/inches) min:
240 / 9.5
Palm Thickness (mm/mil):
0.10±0.02/4.0±0.8
Finger Thickness (mm/mil):
0.16±0.02/6.4±0.8
Unite Weight (g):
S 5±0.5g
M 5.5±0.5g
L 6±0.5g
XL 6.5±0.5g

Biodegradation mechanism and characteristics

Before Degradation — After Degradation

Butadiene: Butadiene monomer is present as the gaseous state in the atmosphere, which can be degraded by chemically induced hydroxyl free radicals, ozone or nitro free radicals. In addition, It is moderately mobile in soil and easily volatilized to the atmosphere by significant volatility. It has biodegradable but weakly bioconcentrating.

Acrylonitrile: Acrylonitrile is used by microorganisms in two main ways:
1. Acrylonitrile is first converted to acrylamide by nitrile hydrase, and then converted to acrylic acid by amidase;
2. Acrylic acid is produced directly under the action of nitrile hydrolase. Finally, it is absorbed and metabolized into CO2 and water by microorganisms

Application

CHEMOTHERAPY MEDICAL DENTISTRY PET CARE LABORATORY JANITORIAL

HOUSEHOLD HAIRDRESSING INDUSTRIAL AUTOMOTIVE DIY FOOD HANDLING