

BIOSERV™

BIODEGRADABLE DISPOSABLE NITRILE GLOVES

NON-MEDICAL

Nitrile Powder-free disposable gloves, suitable for use across all food-service environments.



PRODUCT DESCRIPTION

This biodegradable non-sterile glove features an advanced formulation providing you with the ultimate fit, comfort, and protection. With its high strength and excellent protective features, this glove is ideal for nearly all food-service and hospitality focused environments.

Highly tensile for superior puncture resistance yet tactile enough for ease of movement when handling food and beverage, cooking utensils,

Suitable for extended periods of use with no skin irritation or dryness.

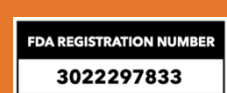
KEY FEATURES AND BENEFITS

- Biodegrading efficacy rate of 90% after within 500 days* (Instead of 200 years)
- High quality formulation for exceptional fit and comfort providing better tactile sensitivity when needed most.
- Tested against opioid fentanyl citrate and chemo drugs, offerings extreme protection when needed most.
- Customized thickness at fingertips for extra grip in fast paced environments

RECOMMENDED AREAS OF USE

- Food service
- Hospitality
- General cleaning
- Aged care
- Veterinary
- Security & law enforcement
- Chemical handling*
- Packing/preparation lines
- Mechanical

STANDARDS/COMPLIANCE



PRODUCT SPECIFICATIONS

Product code	DUKESBIOSERV-XSSMLXL001
Product type	Powder-Free Examination Gloves, Non-Sterile
Product Conformance	Product meets current ASTM D6319 and is manufactured in accordance with a quality management that conforms to ISO 9001 and ISO 13485.
Material	Nitrile Butadiene Rubber
Cuff Finishing	Beaded
Color	Black
Surface Finishing	Fingers textured

No.	Test Method	Purpose of Testing	Result Summary
1	ASTM D5526	To determine the degree and rate of anaerobic biodegradation of materials in accelerated landfill conditions. This is a long term test that replicates the landfill environment of low heat, high pressure, limited oxygen, no light and low moisture.	20% biodegradation in 202 days.*
2	ASTM D5511	To determine the degree and rate of anaerobic biodegradation of materials in high-solids anaerobic-digestion conditions, which replicates the anaerobic digester or landfill bioreactor environment.	90% biodegradation in 700 days.*

Features				
Powder free, fingertip textured, ambidextrous, standard cuff, black colour				
Physical Dimensions				
Length (mm)	≥ 230	Median ≥ 230	≥ 230	Median ≥ 240
Palm (centre of palm) (mm)	≥ 0.10	Median ≥ 0.10	0.10 ± 0.02	Median 0.07 ± 0.02
Finger (13mm ± 3mm from tip)	0.12 ± 0.03	Median 0.12 ± 0.03	0.12 ± 0.02	Median 0.12 ± 0.02
Physical Properties				
Tensile strength (MPa)				
Before ageing	≥ 18	N/A	≥ 18	N/A
After ageing	≥ 16	N/A	≥ 16	N/A
Elongation (%)				
Before ageing	≥ 500	N/A	≥ 500	N/A
After ageing	≥ 400	N/A	≥ 400	N/A
Median Force at Break (N)				
Before ageing	N/A	≥ 6	N/A	≥ 6
After ageing	N/A	≥ 6	N/A	≥ 6