



# gloveon Avalon

## Biodegradable, Nitrile Exam Gloves Powder Free, Standard Cuff

Help improve the environment with GloveOn Avalon biodegradable gloves. Designed to break down normal nitrile gloves in landfill settings, these gloves will take years rather than decades to completely biodegrade. Our unique formulation maintains the high levels of strength and flexibility you'd expect in a nitrile glove, while only allowing the biodegradation process to start once in landfill conditions. Feel confident that GloveOn Avalon will give you the protection you need and help you do your bit for the environment.

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**AMA Medical Products**  
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1800 626 292

### REORDER CODE

BDG33XS X-SMALL  
BDG33SS SMALL  
BDG33MM MEDIUM  
BDG33LL LARGE  
BDG33XL X-LARGE

### FEATURES

- Biodegrades in landfill conditions
- Fingertip textured • Powder free
- Not made with natural rubber latex
- Chemo drugs tested
- Lab chemical tested • Ambidextrous
- Standard cuff • Violet blue colour

### PACKAGING

200 gloves per box for XS to L  
180 gloves per box for XL  
10 boxes per carton

### REGULATORY COMPLIANCE

ARTG 164563, FDA 510(k), MDR 2017/745,  
REACH, ROHS Directive 2002/95/EC,  
EU 10/2011, EC 1935/2004, EU 2016/425

### STANDARDS

ASTM D6319, ASTM D5151, ASTM D6124,  
ASTM D6978, ASTM D5526, ASTM D5511,  
EN ISO 374-1 (Type C), EN 374 part 2, 4 & 5,  
EN 16523-1, EN 420, EN 455 part 1, 2 & 3,  
EN 1186, EN 13130, CEN/TS 14234,  
ISO 10993 part 5, 10 & 11

### MANUFACTURING ACCREDITATIONS

ISO 9001, ISO 13485, EN ISO 13485



Physical Dimensions		
Length (mm)	≥ 230	
Palm Thickness (mm)	0.07 ± 0.02	
Finger Thickness (mm)	0.10 ± 0.02	
Physical Properties		
	Before Ageing	
Tensile Strength (MPa)	≥ 18	
Elongation (%)	≥ 500	
Inspection Levels & AQL		
	Inspection Level	AQL
Watertightness	G1	1.5
Physical Dimensions	S2	4.0
Tensile Strength	S2	4.0
Visual Inspection (Major)	S4	2.5
Visual Inspection (Minor)	S4	4.0
Particulate Residue	N = 5	≤ 2mg/glove

Chemotherapy Drugs and Concentration (Tested for Resistance to Permeation by Chemotherapy Drugs as per ASTM D6978-05-Test Report PN 151891B - Rev 1)	Minimum Breakthrough Detection Time (minutes)
Carmustine (BCNU), 3.3mg/ml (3,300 ppm)	22.2 Minutes
Cisplatin, 1.0mg/ml (1,000 ppm)	>240 minutes
Cyclophosphamide (Cytoxan), 20.0mg/ml (20,000 ppm)	>240 minutes
Dacarbazine (DTIC), 10.0mg/ml (10,000 ppm)	>240 minutes
Doxorubicin Hydrochloride, 2.0mg/ml (2,000 ppm)	>240 minutes
Etoposide (Tospor), 20.0mg/ml (20,000 ppm)	>240 minutes
Fluorouracil, 50.0mg/ml (50,000 ppm)	>240 minutes
Methotrexate, 25.0mg/ml (25,000 ppm)	>240 minutes
Mitomycin C, 0.5mg/ml (500 ppm)	>240 minutes
Paclitaxel (Taxol), 6.0mg/ml (6,000 ppm)	>240 minutes
Thiotepa, 10.0mg/ml (10,000 ppm)	66.1 Minutes
Vincristine Sulfate, 1.0mg/ml (1,000 ppm)	>240 minutes

**WARNING:** Carmustine and Thiotepa, at the tested concentration, degraded Avalon nitrile glove at 22.2 minutes and 66.1 minutes, respectively. The safe use of gloves in chemotherapy treatment is solely the decision of clinicians authorised to make such decision.

Measured breakthrough time (minutes)	>10	>30	>60	>120	>240	>480
Permeation performance level	1	2	3	4	5	6

Chemical	EN 374-1:2016 + A1:2008 Permeation Level	EN 374-4:2013 Mean Degradation (%)
K 40% Sodium Hydroxide	6	-63.5
P 30% Hydrogen Peroxide	1	18.0
T 37% Formaldehyde	5	14.2

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# BIODEGRADABLE NITRILE EXAM GLOVES



1

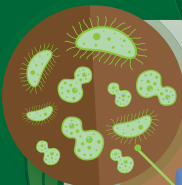
Specially formulated to attract microbes that break down polymers naturally through mineralisation

2

Gloves biodegrade up to 30% in <7 months in landfill conditions

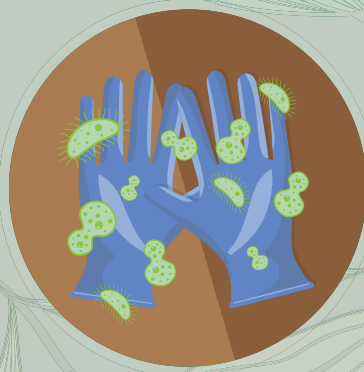
3

Lab chemical tested and high tensile strength



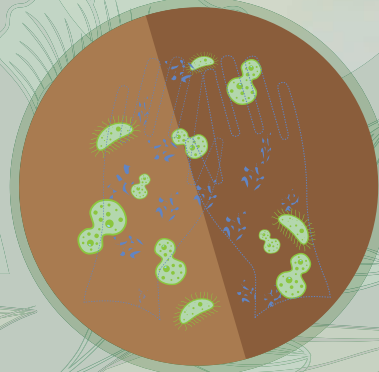
### Gloves Exposed to Landfill Microorganism

When microbes identify a food source, they send out chemical signals to other microbes which then colonize on the glove and begin to consume it.



### Gloves are Consumed by Microorganism

Over time, the glove is consumed through a natural process called mineralisation, leaving behind organic material such as inert humus, CO2 and methane gas.



### Gloves Biodegrade

90% biodegradation rate in 490 days.\*

\*Tested based on ASTM D5511.



Contact us on **1800 456 837** for more information

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