



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.



Physical Dimensions		
Length (mm)	≥ 230	
Palm Thickness (Centre of Palm) (mm)	0.07 ± 0.02	
Finger Thickness (13mm ± 3mm from tip) (mm)	0.10 ± 0.02	
Physical Properties		
	Before Ageing	After Ageing
Tensile Strength (MPa)	≥ 18	≥ 16
Elongation (%)	≥ 500	≥ 400
Performance Requirements		
	Inspection Level	AQL
Watertightness	G1	1.5
Physical Dimensions	S2	4.0
Physical Properties	S2	4.0
Visual Inspection (Major)	S4	2.5
Visual Inspection (Minor)	S4	4.0
Particulate Residue	N = 5	≤ 2mg/glove

REORDER CODE

BDG121XS	X-SMALL
BDG121SS	SMALL
BDG121MM	MEDIUM
BDG121LL	LARGE
BDG121XL	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 407779, FDA 510(k), REACH, RoHS Directive 2011/65/EU, EU 10/2011, EC 1935/2004, EU 2016/425, MDR 2017/745

STANDARDS

ASTM D6319, ASTM D5151, ASTM D6124, ASTM D6978, ASTM D5526, ASTM D5511, ASTM F1671, EN 374 part 2 & 4, EN 420, EN 455 part 1, 2, 3 & 4, EN 16523-1, EN 1186, EN 421 (excluding Clause 4.3), EN 13130, EN ISO 374 part 1 (Type C) & 5, ISO 10993 part 5, 10 & 11, CEN/TS 14234, HACCP International Certified

MANUFACTURING ACCREDITATIONS

ISO 9001, ISO 13485, EN ISO 13485

Chemotherapy Drugs and Concentration (Tested for Resistance to Permeation by Chemotherapy Drugs as per ASTM D6978 - Test Report PN 169210 & 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 (Toposar), 20.00mg/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
Mycophenolate Mofetil, 6.0mg/ml (6,000 ppm)	>240 minutes
Paclitaxel (Taxol), 6.0mg/ml (6,000 ppm)	>240 minutes
Tacrolimus, 5.0mg/ml (5,000 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.

Chemical	EN 16523-1 Permeation Level	EN 374-4 Mean Degradation (%)
K 40% Sodium Hydroxide	6	-63.5
P 30% Hydrogen Peroxide	1	18.0
T 37% Formaldehyde	5	14.2

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

Product disclaimer - <https://munglobal.com/product-disclaimer/>