



THE NON-TOXIC CHOICE IN DISPOSABLE GLOVES

**Disposable Bio-Nitrile™ Biodegradable,
Powder-free Gloves**



PIXIMED Biodegradable Nitrile Gloves – PM-4000-NB Series

Powder Free Gloves

- Stronger than latex with better protection against skin rashes and BIODEGRADABLE.
- A responsible solution for proper glove disposal. Protect our earth while protecting our hands.
- Tested safe biocompatibility, quality level is same as medical grade.
- Fingertip textured for better grip.
- Ambidextrous.
- Light violet blue color.

CAT No.	Size	Packing
PM-4000-NB	XS	100pcs/box 10boxes/carton
PM-4001-NB	S	
PM-4002-NB	M	
PM-4003-NB	L	
PM-4004-NB	XL	

How does Bio-Nitrile Work?

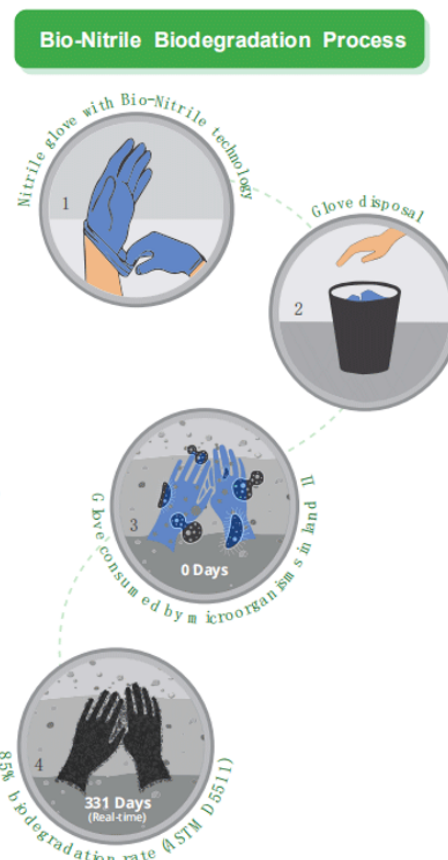
Bio-Nitrile is a polymerised “food source”, specially formulated to attract microbes found especially in landfills. This biodegradation method is strictly enzymatic.

When bacteria consume the Bio-Nitrile material, they excrete an enzyme that dissolves and de-polymerises the polymer chain, allowing the microbes to break down the remaining polymer naturally. [Figure 1]

What is Bio-Nitrile Technology?

Bio-Nitrile drop-in technology integrates the existing manufacturing process without compromising product quality.

It comprises of an organic additive used to accelerate the biodegradation rate of gloves in biologically active landfills and anaerobic digesters



Tested Safe for Biocompatibility & Food Contact

Bio-Nitrile gloves have been proven safe for use against skin according to ISO standards, as well as with food handling according to U.S. FDA and Japan Food Sanitation standards. [Table 2]

No.	Standard	Test	Result Summary	Compliance
1	ISO 10993-5	Cytotoxicity Test	Non-cytotoxic at 10% extract	✓
2	ISO 10993-10	Primary Skin Irritation	Non-irritating	✓
3	ISO 10993-10	Dermal Sensitisation Study	Non-sensitising	✓
4	Food Contact	21 CFR 177.2600	Pass	✓
3	Food Contact	Japan Sanitation Law	Pass	✓

Table 2: List of biocompatibility and food contact test results for Bio-Nitrile.

Bio-Nitrile Nitrile Gloves Specifications

Features	Physical Dimensions		
<ul style="list-style-type: none">• Nitrile• Powder free• Fingertip textured• Ambidextrous• Standard cuff• Light violet blue colour 	Length (mm)	≥ 230	
	Palm (centre of palm) (mm)	0.07 ± 0.02	
	Finger (13mm ± 3mm from tip)	0.10 ± 0.02	
	Physical Properties	Before Ageing	After Ageing
	Tensile Strength (MPa)	≥ 18	≥ 16
	Elongation (%)	≥ 500	≥ 400

Table 3: Bio-Nitrile product specifications.

The Benefits of Bio-Nitrile Gloves

- Real-time study proves our normal condition stored gloves are still stronger than ASTM standards even after 3 years shelf life.
- Real-time study proves 85% biodegradation in 331 days per ASTM D5511 in landfill condition.
- A responsible solution for proper glove disposal.
- 3 mil thickness for Flexible and comfortable fit, yet strong.
- Also great for: Painting, Auto care, Pet Care, Hair care, polishing, cleaning, gardening etc.