



# PROTECTING PEOPLE AND OUR PLANET



**SUSTAIN™** | PM6-202X  
**BIODEGRADABLE NITRILE EXAM GLOVE**



PRIMED's trusted nitrile glove lineup now offers a biodegradable option to contribute to a more sustainable protection plan. **PRIMED's Sustain™** nitrile gloves are specially formulated to attract microbes found in landfills to enhance the enzymatic biodegradation of the material. Without sacrificing any of the glove features you rely on, **Sustain™** nitrile gloves provide the same reliability and trusted protection that PRIMED delivers as the quality leader in PPE.



**Sustain™**



**GLOVES DISPOSED**



**FORMULATION ATTRACTS  
MICROBES FOUND  
IN LANDFILLS**



**ENZYMES BREAK DOWN  
THE GLOVE POLYMER**



**\* Reaching 21% break down  
in as soon as 41 days,  
90% break down  
in 490 days**



# GLOVE INFO

REF PM6-202X



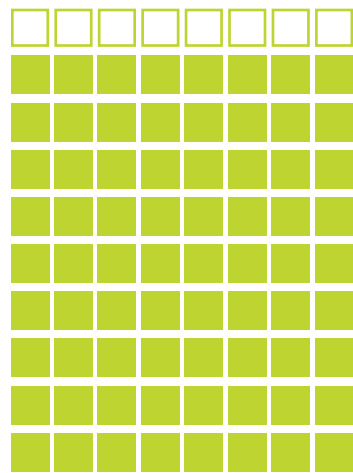
Sustain™

## WHY IT'S NEEDED:

PRIMED estimates that the Canadian acute care space alone uses 3 billion examination gloves annually. In order to offset the increased pandemic usage of PPE, as well as organic growth - PRIMED is placing a focus on looking after the environment. **Studies show that regular nitrile gloves decompose 0.5% through 490 days** – creating a large build up of nitrile in our landfills.

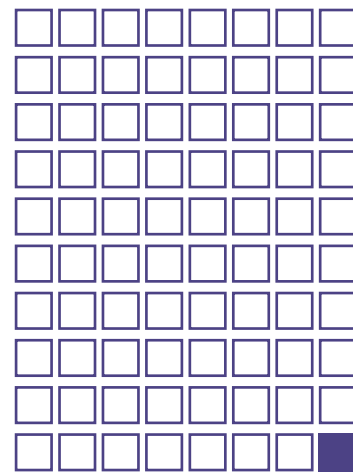
### \* BIODEGRADABILITY TIME

90%



**490 DAYS**  
PRIMED Sustain™

0.5%



**490 DAYS**  
Regular Nitrile Glove  
Formulation

**GLOVE FORMULATION WITH ORGANIC ADDITIVE** attracts microbes in biologically active landfills and anaerobic digesters. Bacteria release depolymerizing enzymes when consuming the biodegradable material allowing the natural polymer to break down.

\* Biodegradability results based on ASTM D5511 and ASTM D5526 standard reports



## BIODEGRADABLE NITRILE EXAM GLOVES

CHEMO DRUG TESTED | TEXTURED FINGERTIPS | POWDER-FREE | PURPLE

### PROTECTION STANDARDS

Exceeds the current **ASTM D6319**: Standard Specification for Nitrile Examination Gloves for Medical Application.

- **Tested against chemotherapy drugs to the current ASTM D6978:** Standard Practice for Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs.

*(List of tested chemotherapy drugs available upon request.)*

Tested to **ASTM F1671** for Viral Penetration.

### FEATURES & BENEFITS:

- **Biodegradable Nitrile Technology:**
  - 21% in 41 days
  - 30% in 202 days
  - 90% in 490 days
- Exceeds nitrile ASTM standards for shelf life requirements
- Exceeds nitrile ASTM standards for tensile strength
- Tested safe for biocompatibility to be non-sensitizing and non-irritating according to ISO standards
- Tested to be safe for food use according to ISO standards
- Textured fingertips and excellent tactile sensitivity
- Powder-free / latex free

### AVAILABLE SIZES



### QUANTITIES

GLOVES/BOX	BOXES/CASE	GLOVES/CASE
200	10	2000

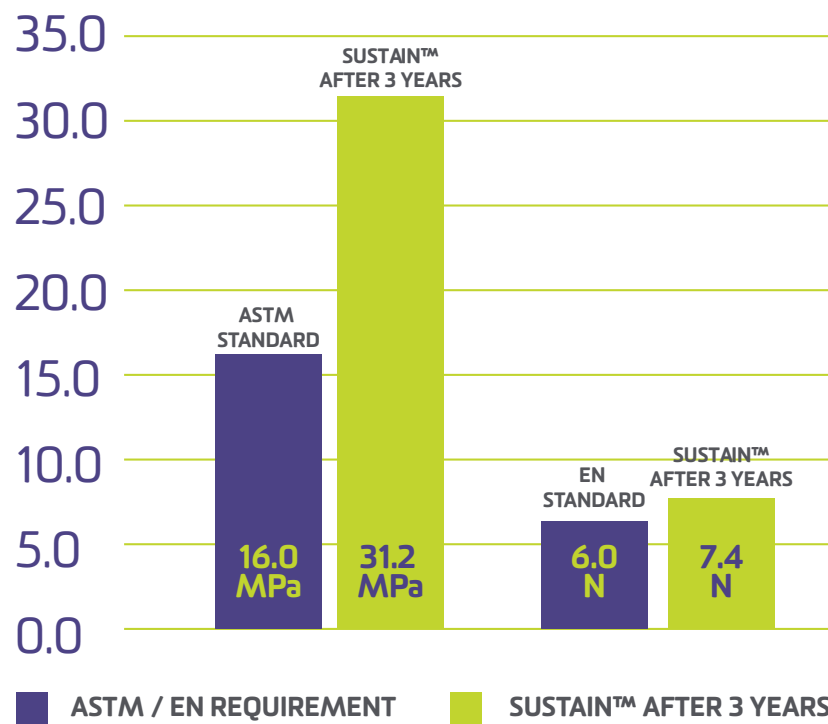


\* Biodegradability results based on ASTM D5511 and ASTM D5526 standard reports



## REAL-TIME SHELF LIFE RESULTS COMPARED TO ASTM & EN REQUIREMENTS

PRIMED's Sustain™ gloves not only pass but exceed **ASTM standards** for tensile strength and **EN standards** for force at break, as well as AQL 1.5 for pinhole.



**ASTM Requirement:**  
Tensile Strength: 16.0 MPa after aging

**EN Requirement:**  
Force at Break: 6.0 N after aging

**PRIMED SUSTAIN™** biodegrading efficacy has been verified by an independent lab, Eden Research Laboratory, using **ASTM D5526** and **ASTM D5511** methods.

TEST METHOD	PURPOSE OF TESTING	RESULT SUMMARY
ASTM D5526	To determine the degree and rate of anaerobic biodegradation of materials in accelerated landfill conditions. This is a long term test that <b>replicates the landfill</b> environment of low heat, high pressure, limited oxygen, no light and low moisture.	<b>21% biodegradation in 41 days.*</b>
ASTM D5511	<sup>1</sup> To determine the degree and rate of anaerobic biodegradation of materials in high-solids anaerobic-digestion conditions, which <b>replicates the anaerobic digester or landfill bioreactor environment.</b>	<b>90% biodegradation in 490 days.*</b> <small>(Above results are based on a real-time study.)</small>

## TESTED SAFE FOR BIOCOMPATIBILITY AND FOOD CONTACT

**PRIMED SUSTAIN™** 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.

	ISO 10993-5	ISO 10993-10	ISO 10993-10	Food Contact
<b>Test</b>	Cytotoxicity Test	Primary Skin Irritation	Dermal Sensitization Study	21 CFR 177.2600V
<b>Result Summary</b>	Non-cytotoxic at 10% extract	Non-irritating	Non-sensitizing	Pass
<b>Compliance</b>	✓	✓	✓	✓

\* Actual biodegradation rates will vary depending on the landfill conditions and the biological activity of microorganisms surrounding the nitrile gloves.