



**PRODUCT SPECIFICATION**

***GripStrong® Black Nitrile General Purpose Gloves***

**PRODUCT**

Nitrile disposable glove  
Industrial grade  
Non-sterile  
Powder-free  
Textured fingertip

**COUNTRY OF ORIGIN**

Malaysia

**INTENDED USE**

This is a disposable product intended for non-medical purposes

**MATERIAL**

Synthetic nitrile rubber

**OUTER SURFACE**

No donning powder used

**COMPONENTS**

Synthetic rubber nitrile (NBR)  
Titanium Oxide  
Sulfur  
Organic accelerators  
Zinc Oxide  
Polymeric sterically hindered phenol  
Potassium Hydroxide

**SHAPE**

Straight fingers  
Thumb and fingers in one plane  
Ambidextrous

**CUFF**

Beaded (rolled rim)

**COLOR**

Black

**SIZES**

Small (S), medium (M), large (L), extra large (XL)

**MARKING**

Packaging marked to designated size (gloves not marked)

**PACKAGING AND LABELING**

Reorder Number GSBNF102-GSBNF105

100 pieces per box (100 pieces XL), 1000 pieces per case (1000 pieces XL)

**CONTROL NUMBER (LOT NO.)**

Each packing unit (dispenser box) and outer carton bears a control number

EXAMPLE: 2020-01 L123456 1706

Key: 2020-01 ..... Production year and month

L ..... Factory code

123456 ..... Production number

1706 ..... Monthly lot number

**QUALITY CHARACTERISTICS**

All listed standards are used in their latest edition.

DESCRIPTION	SPECIFICATION	ASSURANCE ACTION
<u>Dimensions</u>	220 mm min. (S)	ASTM D 6319
Overall length	230 (M, L, XL)	
Width	80 mm +/- 10 mm (S)	
	95 mm +/- 10 mm (M)	
	110 mm +/- 10 mm (L)	
	≥110 mm	
Thickness (single wall)	Finger: 0.06 mm/2.4 mils min. Palm: 0.05 mm/2.0 mils min. Cuff: 0.04 mm/1.6 mils min.	
Weight (size M)	3.5 g min.	
<u>Physical properties*</u>		ASTM D 412
Tensile strength (before/after aging)	14 MPa min.	
Elongation (before aging) (after aging)	500% min. 400% min.	

\*minimum acceptable requirements of ASTM and FDA where applicable. Gloves offered by Sempermed USA, Inc. exceed these physical requirements.

**PERFORMANCE REQUIREMENTS FOR QUALITY CHARACTERISTICS**

For reference purpose in accordance with ISO 2859 "Sampling Procedures for Inspection by Attributes"

**INTERNAL ATTRIBUTIVE RELEASE INSPECTION**

Sampling for examination in accordance with ISO 2859-1

Unit for *inspection*: one (1) glove

If several defects are found on one glove, only the most serious defect (i.e. lowest category) is evaluated

The acceptance criteria is based on the number of defectives observed in a sample

**FINAL GLOVE RELEASE**

ISO 2859-1: "Sampling Procedures for Inspection by Attributes – Part 1: Sampling Schemes Indexed by Acceptance Quality Limit (AQL) for Lot-by-Lot Inspection"

**Sampling inspection and final release information**

*Major defects:* highest concern non-conformities which prevent correct use of the product. AQL 2.5 (inspection level G-1 for leaks)

**PACKAGING, MARKING, GOOD DELIVERY INSPECTION**

**Assurance Action**

Set-up and patrol inspection at packaging  
Supervision of vehicle or vessel loading

**GOOD MANUFACTURING PRACTICE**

The gloves are manufactured in compliance with ISO 9001

**MICROBIOLOGICAL CLEANLINESS CONTROL**

The bioburdens of the finished gloves are monitored and recorded. Unusual contaminants are identified.

**STORAGE**

According to ISO 2230 for Vulcanized Rubber  
Store in a dry, ventilated area  
Avoid direct sunlight, fluorescent lighting, heat, and moisture  
Do not store above 100° F (38° C) as this will lead to accelerated aging  
Long-term storage can result in pleats and stickiness

**END OF DOCUMENT**