

Manufactured by:

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NOW WE HAVE THE ...

**FIRST
EVER**

SMART GLOVE™

**SMART
METAL
DETECTABLE
NITRILE
GLOVES
IN THE
MARKET !**



A precaution against
possible physical
contamination.

PRODUCT RECALLS

Can you imagine receiving "Product Recall" notice from USFDA / local authority? Corporations need to go through recall of the packaged food, the logistic and disposal arrangement, compensation and many other expenses incurred.

NOW YOU CAN

always rely on our **Smart Metal Detectable Gloves** in food processing/ food handling/ packaging as part of your quality assurance and safety program. A precaution against possible physical contamination.



APPLICATIONS

The Smart Metal Detectable Nitrile Gloves are:

- Free of plasticiser
- Food Contact safe
- Comfortable to wear

Thus, they are most helpful for the following industries:

- Food Processing – processes to transform raw ingredients into food for consumption.
- Food Preparation – includes all delicate preparation processes.
- Food Packaging – the final step to protect food products from contaminations.

FEATURES & ATTRIBUTES OF SMART METAL DETECTABLE NITRILE GLOVES:

- It provides dexterity and strength, with metal detection features.
- Powder-free Nitrile, free from latex-induced skin allergic reactions.
- Detection sensitivity of an iron ball (Fe) having a diameter of 0.5 mm.
- Comparison of Sensitivity:

Glove Type	Thickness	Detection (5 mm ³)
Vinyl Blue	3 mil	No
Smart Glove Nitrile Blue	3 mil	Yes

- Working frequency: 50kHz to 1MHz of electromagnetic field.

PRODUCT SPECIFICATION

Powder Free Nitrile Gloves	Weight (g)	Thickness (mm)			Tensile Strength*		Elongation at Break*	
		Finger	Palm	Cuff	Min (MPa)	Typical Value (MPa)	Min (%)	Typical Value (%)
9" (3mil) Finger Textured	(M) 3.5±0.02	0.08±0.02	0.06±0.02	0.05±0.02	Min. 20	23 - 28	Min. 600	650 - 700
9" (5mil) Finger Textured	(M) 5.5±0.2	0.13±0.02	0.10±0.02	0.08±0.02	Min. 20	23 - 28	Min. 600	650 - 700
12" (5mil) Finger Textured	(M) 7.5±0.2	0.13±0.02	0.10±0.02	0.09±0.02	Min. 20	23 - 28	Min. 600	650 - 700
16" (5mil) Finger Textured	(M) 10±0.2	0.13±0.02	0.10±0.02	0.09±0.02	Min. 20	23 - 28	Min. 600	650 - 700
9" (7mil) Finger Textured	(M) 7.5±0.2	0.17±0.02	0.12±0.02	0.11±0.02	Min. 20	23 - 28	Min. 600	650 - 700
9" (7mil) Diamond Textured	(L) 8.8±0.2	0.17±0.02	0.12±0.02	0.11±0.02	Min. 20	23 - 28	Min. 600	650 - 700
9" (7mil) Fish-Scale Textured	(L) 8.8±0.2	0.17±0.02	0.12±0.02	0.11±0.02	Min. 20	23 - 28	Min. 600	650 - 700

* (tested according to ASTM D412 standards)

Length, weight and thickness can be custom made for your industry.

Available in full black and double-tone (blue outer layer, black donning layer).

APPLICABLE STANDARD COMPLIANCE

Standards	Description	Requirement
ASTM D7329-07	Standard Specification for Food Preparation and Food Handling (Food Service) Gloves	ASTM D6124, 21 CFR Parts 170 – 199 (as applicable), AQL
ISO 14285:2014	Rubber and plastics gloves for food services - Limits for extractable substances	Heavy metals, potassium permanganate consumption, evaporation residue, phthalate content
Regulation (EU) No 10/2011	On plastic materials and articles intended to come into contact with food	Specific migration limit, overall migration limit
2012 No. 2619	The Materials and Articles in Contact with Food (England) Regulations 2012	Regulation (EU) No 10/2011 as stated in the Schedule

The metal detectable nitrile gloves are to be in compliance with the above standards.

Other specific local regulatory requirements can be fulfilled upon request.

Property	mg / dm ²	Regulation (EU) No. 10/2011 - Annex III
Overall Migration Limit	Below 10	Food simulant B
	Below 10	Food simulant D1

Tested according to EN 1186 and 10/2011 regulations – overall migration limit.

