

PRODUCT SPECIFICATION

Product	4.5 Mil Regular Blue Powder-Free Nitrile Examination Gloves
Polymer	Nitrile Rubber
Type	Non-Sterile
Glove Design & Feature	Ambidextrous and Finger Textured
Surface Treatment	Polymer Coated
Color	Regular Blue
Packaging	100 +/-2 CT/ Carton, 10 Cartons/ Case

Spec No. : MHI-PS-4.5 RB
 Effective Date: 11/12/2025
 Revision No.: 02



Glove Dimensions

Parameters	Size	Spec ASTM D6319-19	Maxter Spec
Palm Width, inches	XS	2.36 - 3.14	2.9 - 3.0
	S	2.75 - 3.54	3.35 - 3.5
	M	3.35 - 4.13	3.7 - 4.0
	L	3.93 - 4.72	3.93 - 4.3
	XL	4.33 - 5.12	4.45 - 4.57
Product Weight, g	M	N/A	4.5 - 4.9
Length, inches	XS- XL	Min 9.05	Min 9.4
Cuff Thickness, mil		N/A	Min 2.7
Palm Thickness, mil		Min 1.97	Min 3.3
Finger Thickness, mil (at non-textured portion, at 55 mm from finger tip)		Min 1.97	Min 3.8
Finger Thickness, mil (at textured portion)		Min 1.97	Min 4.5

Product Compliance Standards: ASTM D6319-19 &
 Product Sampling & Inspection: As per ISO 2859

Parameter	Inspection Level	AQL
Watertight Test	G1	1.5
Major Visual Defects	G1	2.5
Minor Visual Defects	G1	4.0
Dimensions	S2	4.0
Physical Properties	S2	4.0

Breakthrough Time (BTT) for Chemotherapy Drugs -ASTM D6978-05(2023)

Drug	Concentration	BTT (minutes)
Carmustine	3.3 mg/mL (3,300 ppm)	21.7
Cisplatin	1 mg/mL (1,000 ppm)	>240
Cyclophosphamide	20 mg/mL (20,000 ppm)	>240
Cytarabine	100 mg/mL (100,000 ppm)	>240
Dacarbazine	10 mg/mL (10,000 ppm)	>240
Doxorubicin HCl	2 mg/mL (2,000 ppm)	>240
Etoposide	20 mg/mL (20,000 ppm)	>240
Fluorouracil	50 mg/mL(50,000 ppm)	>240
Ifosfamide	50 mg/mL(50,000 ppm)	>240
Methotrexate	25 mg/mL (25,000 ppm)	>240
Mitomycin C	0.5 mg/mL (500 ppm)	>240
Mitoxantrone HCl	2 mg/mL (2,000 ppm)	>240
Paclitaxel	6 mg/mL(6,000 ppm)	>240
Thiotepa	10 mg/mL (10,000 ppm)	18.7
Vincristine Sulfate	1 mg/mL (1,000 ppm)	>240

Permeation Resistance to Narcotic (Opioid) Analgesics Drug-ASTM D6978-05(2023)

Drug	Concentration	BTT (minutes)
Fentanyl Citrate Injn.	50 mcg/mL (0.05mg/mL)	>240



- **100% Latex free, Blue Color**
- **Increased Comfort & Fit**
- **Beaded Cuff for Easy Donning**
- **Glove of Choice of Personnel Sensitive to Allergy**
- **High Tensile Strength for Better Puncture Resistance**
- **Superior Wet & Dry Grip with Extended Finger Texture**

Physical Properties

Parameter	Unaged		Aged	
	ASTM D6319 -19 Spec	Maxter Spec	ASTM D6319 -19 Spec	Maxter Spec
Tensile Strength, MPa	Min 14	Min 30	Min 14	Min 28
Ultimate Elongation, %	Min 500	Min 525	Min 400	Min 450
Force at Break, N	N/A	Min 6	N/A	Min 6
Pinholes	Max 2.5 AQL	Max 1.5 AQL	Max 2.5 AQL	Max 1.5 AQL
Powder Residue	Max 2.0 mg/glove	Max 1.0 mg/glove		