

# GripProtect®

## Precise BLACK 5 Nitrile Exam Gloves

*Formulated to provide superior barrier protection*



GripProtect Precise BLACK 5 Nitrile Exam Gloves offer durable barrier protection in many industries ranging from healthcare to industrial and laboratory environments. Thicker than our standard 3.5 mil GripProtect Precise BLACK Nitrile gloves, the BLACK 5 gloves have a comfortable and durable feel with better protection.

Medical Exam Grade classification in accordance with ASTM testing criteria ensures the gloves perform consistently and to the highest accepted standards to protect the hands of the users and the people on the other side. Our gloves exhibit a similar feel, flexibility and tactile sensitivity as latex gloves, but contain no natural rubber latex so they are safe for people with latex allergies.

- Medical exam grade
- Chemotherapy drug rated
- Fentanyl resistant
- Latex-free
- Powder-Free
- Non-sterile
- Ambidextrous, black color
- Textured fingers



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Part Number	Size	# Gloves	Glove Weight (g)	Palm Width (mm)
GP2451	Small	100/Box, 1000/Case	3.97 ± 0.2	85 ± 10
GP2452	Medium	100/Box, 1000/Case	4.62 ± 0.2	95 ± 10
GP2453	Large	100/Box, 1000/Case	4.94 ± 0.2	110 ± 10
GP2454	Extra-Large	100/Box, 1000/Case	5.16 ± 0.2	115 ± 10

#### Specifications, Physical Properties, & Quality Standards

Characteristic	Result	Test Method
Tensile Strength (before aging)	30 MPa	ASTM D412/ASTM D573
Elongation (before aging)	569%	ASTM D412/ASTM D573
Thickness at finger Thickness at palm	5.1 mil 3.5 mil	ASTM D3767
Barrier properties	AQL 1.5	ASTM 5151
Length	> 240 mm	ASTM D3767

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## Drug Resistance

Tested for use with Chemotherapy drugs and fentanyl citrate using the ASTM D 6978-05 permeation test. No break-through after 240 minutes for the below drugs at the listed concentration.

Test Drug	Drug Concentration
5-Fluorouracil (Acrucil)	50.0 mg/ml (50,000 ppm)
Etoposide (Toposar)	20.0 mg/ml (20,000 ppm)
Cyclophosphamide (Cytosan)	20.0 mg/ml (20,000 ppm)
Paclitaxel (Taxol)	6.0 mg/ml (6,000 ppm)
Doxorubicin Hydrochloride (Adriamycin)	2.0 mg/ml (2,000 ppm)
Dacarbazine	10.0 mg/ml (10,000 ppm)
Cisplatin	1.0 mg/ml (1,000 ppm)
Ifosfamide	50.0 mg/ml (50,000 ppm)
Mitoxantrone	2.0 mg/ml (2,000 ppm)
Vincristine Sulfate	1.0 mg/ml (1,000 ppm)
Fentanyl Citrate	0.1 mg/2ml (50 ppm)
<b>Reduced permeation time compounds.</b>	
Carmustine (BCNU) – 21.2 minutes	3.3 mg/ml (3,300 ppm)
Thiotepa – 34.6 minutes	10.0 mg/ml (10,000 ppm)