



**GENERAL DESCRIPTION**

<b>Formulation</b>	Nitrile Butadiene Rubber (NBR)
<b>Design</b>	Powder-Free / Beaded-Cuff / Ambidextrous / Textured Fingers / Black Color
<b>Packaging</b>	100 gloves per box
	10 boxes per carton = 1000 gloves per carton

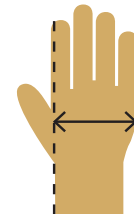
**COMPLIANCE STANDARDS**

<b>US &amp; Canada</b>	ASTM D412 - Tensile Properties of Vulcanized Rubber ASTM D3578 - Standard Specification for Rubber Examination Gloves ASTM D5151 - Standard Test for Detection of Holes in Medical Gloves ASTM D573 - Accelerated Aging of Rubber (at 70°C for 166hr) ASTM D6124 - Test Method for Residual Powder on Medical Gloves ASTM D6978 - Resistance of Medical Gloves to Permeation by Chemotherapy Drugs ASTM F1671 - Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens ASTM F739 - Resistance of Protective Clothing Materials to Permeation by Liquid or Gaseous Chemicals
	FDA CFR 21 177.2600 - Food Handling
<b>European Union</b>	EN 16523-1 - Determination of Resistance to Permeation by Liquid Chemical EN 420 - Protective Gloves - General Requirements and Test Methods

**QUALITY**

**Quality Assurance**  
  
ISO 13485, ISO 9001, and US FDA QSR Quality Management System

SIZES	CODES	WIDTH (+/- 10mm)	
<b>XS</b>	FFOC0115	89mm	3.5"
<b>S</b>	FFOC0122	99mm	3.9"
<b>M</b>	FFOC0139	109mm	4.3"
<b>L</b>	FFOC0146	119mm	4.7"
<b>XL</b>	FFOC0153	130mm	5.1"



NOMINAL THICKNESS	mm	mil
<b>Finger</b>	0.13 (Min ≥0.05)	5.1
<b>Palm</b>	0.09 (Min ≥0.05)	3.5

LENGTH (+/- 10mm)	mm	inches
<b>From Middle Finger-Tip to Edge of Cuff</b>	247mm	9.7"

STRENGTH	TENSILE STRENGTH (MPa)	ELONGATION (%)
<b>Before Ageing</b>	48 Mpa	649%
<b>After Ageing</b>	51 Mpa	576%

FREEDOM FROM HOLES	
<b>Acceptable Quality Level (AQL)</b>	≤1.5
RESIDUAL POWER	TYPICAL
<b>Specification: ≤2.0mg/glove</b>	0.2mg/glove

## RECOMMENDED USES



MEDICAL



DENTAL



VETERINARY



LABS

## CHEMICAL RESISTANCE (EN 16523-1:2105 + A1\_2018)

CHEMICAL NAME	%	CAS No.	LOWEST BREAKTHROUGH TIME (min) 1.0*	DETECTION LIMIT (µg/cm <sup>2</sup> /min)
Acetic Acid	10%	64-19-7	178	0,04
Chlorhexidine digluconate	20%	18472-51-0	>480	0,04
Ethanol	20%	64-17-5	>480	0,04
Ethidium bromide	1,50%	1239-45-8	>480	0,04
Formaldehyde	37%	50-00-0	140	0,04
Hydrochloric acid	36%	7647-01-0	77	0,04
Hydrogen peroxide	30%	7722-84-1	>480	0,04
Isopropanol	70%	67-63-0	78	0,04
Nitric acid	65%	7697-37-2	< 6	0,04
Sodium hydroxide	40%	1310-73-2	>480	0,04
Sulphuric acid	47%	7664-93-9	>480	0,04
Sodium hypochlorite	10%	7681-52-9	>480	0,04

\*Time point at which the permeation reaches the permeation rate of 10 µg/cm<sup>2</sup>/min

## CHEMOTHERAPEUTIC DRUG + FENTANYL RESISTANCE (ASTM D6978-05)

DRUG NAME	OBSERVATIONS	LOWEST BREAK-THROUGH TIME (min)	AVG. STEADY STATE PERMEATION RATE (µg/cm <sup>2</sup> /min)
Bleomycin Sulfate, 15.0 mg/ml	Slight swelling and no degradation	>240	N/A
Busulfan, 6.0 mg/ml	Slight swelling and no degradation	>240	N/A
Carboplatin, 10.0 mg/ml	Slight swelling and no degradation	>240	N/A
Carmustine (BCNU), 3.3 mg/ml	Moderate swelling and no degradation	34,1	0,5
Cisplatin, 1.0 mg/ml	Slight swelling and no degradation	>240	N/A
Cyclophosphamide (Cytosan), 20.0 mg/ml	Slight swelling and no degradation	>240	N/A
Cytarabine HCl, 100.0 mg/ml	Slight swelling and no degradation	>240	N/A
Dacarbazine (DTIC), 10.0 mg/ml	Slight swelling and no degradation	>240	N/A
Danorubicin HCl, 5.0 mg/ml	Slight swelling and no degradation	>240	N/A
Docetaxel, 10.0 mg/ml	Slight swelling and no degradation	>240	N/A
Doxorubicin HCl, 2.0 mg/ml	Slight swelling and no degradation	>240	N/A
Epirubicin HCl, 2.0 mg/ml	Slight swelling and no degradation	>240	N/A
Etoposide, 20.0 mg/ml	Moderate swelling and no degradation	>240	N/A
Fludarabine Phosphate, 25.0 mg/ml	Slight swelling and no degradation	>240	N/A
Fluorouracil, 50.0 mg/ml	Slight swelling and no degradation	>240	N/A
Gemcitabine HCl, 38.0 mg/ml	Slight swelling and no degradation	>240	N/A
Idarubicin HCl, 1.0 mg/ml	Slight swelling and no degradation	>240	N/A
Ifosfamide, 50.0 mg/ml	Slight swelling and no degradation	>240	N/A
Irinotecan HCl, 20.0 mg/ml	Slight swelling and no degradation	>240	N/A
Mechlorethamine HCl, 1.0 mg/ml	Slight swelling and no degradation	>240	N/A
Melphalan HCl, 5.0 mg/ml	Slight swelling and no degradation	>240	N/A
Methotrexate, 25.0 mg/ml	Slight swelling and no degradation	>240	N/A
Mitomycin C, 0.5 mg/ml	Slight swelling and no degradation	>240	N/A
Mitoxantrone HCl, 2.0 mg/ml	Slight swelling and no degradation	>240	N/A
Paclitaxel (Taxol), 6.0 mg/ml	Moderate swelling and no degradation	>240	N/A
Rituximab, 10.0 mg/ml	Slight swelling and no degradation	>240	N/A
Thiotepa, 10.0 mg/ml	Slight swelling and no degradation	67,6	0,3
Trisenox (Arsenic Trioxide), 1.0 mg/ml	Slight swelling and no degradation	>240	N/A
Vincristine Sulfate, 1.0 mg/ml	Slight swelling and no degradation	>240	N/A
Fentanyl Citrate Injection, 100mcg/2mL	Slight swelling and no degradation	>240	N/A

