



STEELFLEX™ POWDER-FREE LIGHT BLUE NITRILE EXAMINATION GLOVES

TECHNICAL DATA SHEET

Product Name	SteelFlex
Material	Nitrile Butadiene Rubber - Not made with Natural Rubber Latex
Weight	3.5g
Color	Light Blue
Details	Chlorinated with Silicon, Powder-Free, 1/3 Textured Fingers, Beaded Cuff, Ambidextrous, Non-sterile
Fentanyl Tested	Yes
Chemo Tested	Yes, see table
Size Range	XS, S, M, L, XL, XXL
Packaging	XS - L: 200 gloves per dispenser box, XL - XXL: 180 gloves per dispenser box, 10 dispensers per case
Regulatory Compliance	ISO 10993-10:2010 (2014), ISO 10993-11:2017, ASTM D6978-05 (2019), ASTM D5151-19, ASTM D6124-06 (2017), and ASTM D6319-19
Anti-static	Yes
Touchscreen Functional	Yes
Manufactured in	USA
FDA Clearance	K220825
Product Code	LZA, LZC, QDO

Physical Properties	Typical Value			Testing Method
Glove Length	240	mm		D3767
Palm Width	S (84.5), M (94.9), L (103.5), XL (114.3)			
Thickness, Finger	0.101 mm			
Thickness, Palm	0.075	mm		
Tensile Strength (Before)	27 MPa			D412
Tensile Strength (After)	28 MPa			
Elongation (Before)	766 %			
Elongation (After)	676 %			
Freedom from Holes	1.5	AQL		D5151
Powder	0.68 mg	per glove	(Requirement 2 mg per glove)	
Protein	Not Detectable			

Fentanyl and Chemotherapy Drug Permeation Resistance

Drug Tested	Average Breakthrough Detection Time (minutes)
Carmustine (BNCU) (3.3 mg/ml)	25.5
Cyclophosphamide (20 mg/ml)	>240
Doxorubicin HCl (2 mg/ml)	>240
Etoposide (20 mg/ml)	>240
5-Fluorouracil (50 mg/ml)	>240
Methotrexate (25 mg/ml)	>240
Paclitaxel (6 mg/ml)	>240
Thiotepa (10 mg/ml)	47.7
Vincristine Sulfate (1 mg/ml)	>240
Fentanyl Citrate (100 mcg/2ml)	>240

Caution:

Testing showed an average breakthrough time of 25.5 min for Carmustine and 47.7 min for Thiotepa.

The STEELFLEX Nitrile Exam Glove material was tested with chemotherapy and fentanyl drug concentrations (see table) per ASTM D 6978-05. Testing conducted on single layer glove material.

Caution:

Gloves used for protection against chemotherapy drug exposure should be selected specifically for the type of drugs used. It is the user's responsibility to determine an adequate level of protection for the intended use.