

# SLATE COMPRESSION FIT TECHNOLOGY



AMERICAN NITRILE

STRENGTH AND SENSITIVITY AT THE TIP OF YOUR FINGERS



- ✓ **Chemical Resistant Nitrile**
- ✓ **Optimal Comfort and Protection**
- ✓ **Enhanced Dexterity**
- ✓ **Greater Tactile Sensitivity**
- ✓ **Latex Free**

Learn more or inquire at:  
[americannitrile.com](http://americannitrile.com)

# SLATE COMPRESSION FIT TECHNOLOGY



AMERICAN NITRILE

## AMERICAN NITRILE ADVANTAGES

Every American Nitrile glove is proudly manufactured at our state-of-the-art facility in Grove City, Ohio. As the preferred domestic source for nitrile gloves, we ensure:

- ✓ **Delivery:** Stress-free and just-in-time, eliminating unpredictable trans-pacific shipping, port delays, and the need to carry high safety stock.
- ✓ **Corporate social responsibility:** Sustainability in energy and raw material usage plus visibility into ethical labor practices.
- ✓ **Product quality:** Our gloves are 100% made in the USA to ensure safety and quality are never compromised.

## KEY FEATURES AND BENEFITS

### Tested

Meets US FDA device license regulations, complies with ASTM standards, and cleared for use with chemotherapy drugs in accordance with ASTM D6978.

### Authentic

US-based production and delivery ensures quality and instills confidence in the safety and cleanliness of our products.

### Wearability

Smooth inner surface for easy donning.

### Superior AQL

Our gloves meet a pinhole AQL of 1.5, 60% better than the FDA requirement of 2.5.

## PRODUCT INFORMATION

<b>Material</b>	Nitrile
<b>Color</b>	Blue
<b>Glove Design</b>	Fingertip texture, Powder-free
<b>Cuff</b>	Beaded
<b>Audit Standards</b>	GMP
<b>Packaging</b>	100 gloves per box, 1000 per case
<b>Shelf Life</b>	3 years
<b>Country of Origin</b>	USA
<b>User Needs</b>	General Purpose
<b>Sizes</b>	XS, S, M, L, XL



GLOVE SIZE	REORDER NUMBER
Extra-Small	ANSL451
Small	ANSL452
Medium	ANSL453
Large	ANSL454
Extra-Large	ANSL455

## PHYSICAL PROPERTIES

	Typical Performance	Testing Method	
Length	240 mm/9"	ASTM D3767	
Freedom from Holes	1.5 AQL	ASTM D5151	
Palm Thickness	0.08 mm/ 3.15 mil	ASTM D3767	
Finger Thickness	0.135 mm/4.3 mil	ASTM D3767	
Glove Weight Medium	4.5 grams		
	<b>Before Aging</b>	<b>After Aging</b>	
Ultimate Tensile Strength (MPa)	>35	>35	ASTM D412
Elongation at Break (%)	>550	>550	ASTM D412

## Fentanyl and Chemotherapy Drug Permeation Resistance

DRUG TESTED	AVERAGE BREAKTHROUGH DETECTION TIME (MINUTES)
<b>Carmustine (BNCU) (3.3 mg/ml)</b>	25.5
<b>Cyclophosphamide (20 mg/ml)</b>	>240
<b>Doxorubicin HCl (2 mg/ml)</b>	>240
<b>Etoposide (20 mg/ml)</b>	>240
<b>5-Fluorouracil (50 mg/ml)</b>	>240
<b>Methotrexate (25 mg/ml)</b>	>240
<b>Paclitaxel (6 mg/ml)</b>	>240
<b>Thiotepa (10 mg/ml)</b>	47.7
<b>Vincristine Sulfate (1 mg/ml)</b>	>240
<b>Fentanyl Citrate (100 mcg/2ml)</b>	>240

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

The SLATE™ 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 intended use.