



## Glove Products

# Duraprene™ SMT Powder-Free Synthetic Neoprene Surgical Gloves

Delivering uncompromised protection and comfort, Duraprene™ SMT surgical gloves offer:

- Triple-dip technology that integrates neoprene and nitrile to provide effortless donning, durability and barrier protection
- Smooth grip due to Surface Modification Technology (SMT)
- Interlocking, beaded cuff prevents glove rolldown
- Wider palm and shorter fingers for a more comfortable fit
- Strength that meets or exceeds ASTM D3577 Standard Specification for Rubber Surgical Gloves and EN 455-2 Medical Gloves for Single Use. Requirements and testing for physical properties.



**Cardinal**Health

## Length and Thickness

Average length measured from the tip of the middle finger to the cuff.

Average Length	Cuff Thickness	Palm Thickness	Finger Thickness
12.0/305 (in./mm)	7.5/0.19 (mil/mm)	7.8/0.20 (mil/mm)	9.0/0.23 (mil/mm)

## Physical Properties

Gloves meet, even exceed, EN 455-2 and ASTM D3577, Standard Specification for Rubber Surgical Gloves.

	EN/ASTM Limit	Duraprene™ SMT Powder-Free Synthetic Surgical
<b>Tensile Strength</b>	9.0N/17 MPa	13.4 N/20.4 MPa
<b>Tensile Stress</b>	NA/7.0 MPa	NA/1.8 MPa
<b>Elongation</b>	NA/650%	NA/997%

## Barrier Protection

With respect to gloves, Acceptance Quality Level (AQL) for freedom from holes refers to confidence in barrier protection. Gloves with a lower AQL will have fewer barrier defects. Our internal requirements are significantly more stringent than FDA or ASTM requirements.

	FDA/EN/ASTM D3577 Limit	Cardinal Health Limit
<b>AQL Limit</b>	1.5	1.0

## Bacteriophage Penetration

The risk of exposure to the bloodborne pathogens in the workplace is significant. ASTM F1671 is the Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage as a Test System. A statistically significant sample size – 32 Duraprene™ SMT powder-free gloves versus the three required in the method – was tested and passed.\*

## Proteins and Allergens

This is a synthetic glove and contains no natural rubber latex protein allergens. Duraprene™ surgical gloves offer outstanding protection and comfort, and they offer the freedom from worry about natural rubber latex allergies. The gloves are made from a synthetic material, so there is no risk of Type I allergic reactions to natural rubber latex.

## Chemotherapy Drug Permeation

Tested for use with Chemotherapy Drugs using ASTM F739 Standard Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or Gases Under Conditions of Continuous Contact. Gloves used for protection against chemotherapy drug exposure must be selected specifically for the type of drugs being used. Additional testing may be available. Please contact your local representative for additional information.\*

Chemotherapy Drug Permeation	Avg. Normalized Breakthrough Time 0.25µg/cm <sup>2</sup> /minute	Chemotherapy Drug Permeation	Avg. Normalized Breakthrough Time 0.25µg/cm <sup>2</sup> /minute
Carmustine (3.3mg/mL)	240	Etoposide (1.0mg/mL)	>480
Cisplatin (1.0mg/mL)	>480	5-Fluorouracil (50mg/mL)	>480
Cyclophosphamide (20mg/mL)	>480	Ifosfamide (1.0mg/mL)	>480
Dacarbazine (10mg/mL)	>480	Mitoxantrone (1.0mg/mL)	>480
Doxorubicin Hydrochloride (2.0mg/mL)	>480	Vincristine (1.0mg/mL)	>480

## Ordering Information

Cat. No.	Size	Cat. No.	Size
<b>2D72PN55</b>	5½	<b>2D72PN75</b>	7½
<b>2D72PN60</b>	6	<b>2D72PN80</b>	8
<b>2D72PN65</b>	6½	<b>2D72PN85</b>	8½
<b>2D72PN70</b>	7	<b>2D72PN90</b>	9

Packaging: 40 pr/bx, 5 bx/cs (total 200 pr/cs)

\* Data on file at Cardinal Health.

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