

# 7<sup>th</sup> Sense<sup>®</sup>

## CX7500

### LOW DERMATITIS NITRILE Powder Free Examination Glove



## REDEFINING HAND PROTECTION

The 7<sup>th</sup> Sense<sup>®</sup> is a revolutionary, new generation nitrile glove. This glove is the 1<sup>st</sup> U.S. FDA granted products with low dermatitis potential claim. It does not use sulfur and accelerators in the manufacturing process. The unique technology reduces risk from delayed Type IV hypersensitivity caused by residual chemicals accelerator such as thiurams, carbamates and thiazoles. Clinical studies performed on 7<sup>th</sup> Sense<sup>®</sup> with Modified Draize-95 Test and on Japanese patients with contact dermatitis concluded that there is no evidence of induced allergic contact dermatitis on human subject. Thus 7<sup>th</sup> Sense<sup>®</sup> glove is the solution for users who are suffering from Type IV hypersensitivity.

### RECOMMENDED APPLICATION



### FEATURES & BENEFITS

- **Pure**  
Clean glove with no sulfur and no accelerators added in the formulation
- **Pleasure**  
Thinner glove with greater tactile sensitivity
- **Performance**  
Modified Draize-95 tested negative & superior barrier protection against blood-borne pathogen and viruses
- **Protection**  
Prevent Type I Natural Rubber Latex allergy and reduce potential risk of Type IV hypersensitivity. Safe for food handling



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## RESISTANCE OF GLOVES TO PERMEATION BY CHEMICALS AND CHEMOTHERAPY DRUGS

### Resistance to Permeation by Chemicals (BS EN 16523-1:2015)

	Level
5% Ethidium Bromide	6
50% Glutaraldehyde	6
1.5% Methanol in Water	6
0.1% Phenol	6
40% Sodium Hydroxide	6
10-13% Sodium Hypochlorite	6
50% Sulphuric Acid	6
37% Formaldehyde	3

with measured breakthrough time of minimum 480 minutes for level 6 & minimum 60 minutes for level 3

### Chemotherapy Drugs Permeation Test (ASTM D6978-05 (2013))

Cisplatin	
*Cyclophosphamide (Cytosan)	
Cytarabine	
Dacarbazine	
*Doxorubicin Hydrochloride	No Breakthrough after 240 minutes
*Etoposide	
*Fluorouracil	
Ifosfamide	
Methotrexate	
Mitomycin C	
Mitoxantrone	
*Paclitaxel (Taxol)	
Vincristine Sulfate	
*Thiotepa	90 minutes
*Carmustine	10 minutes

\* denotes mandatory chemotherapy drugs

## PRODUCT SPECIFICATIONS & TYPICAL PERFORMANCE (ASTM D6319)

	SPEC	TYPICAL
<b>Thickness (mm)</b>		
Cuff	Min. 0.05	0.05 - 0.06
Palm	Min. 0.06	0.07 - 0.08
Finger	Min. 0.07	0.11 - 0.12
<b>Dimension (mm)</b>		
Length	Min. 235	237 - 239
<b>Physical Properties - Unaged</b>		
Tensile Strength (MPa)	Min. 14	35 - 37
Elongation (%)	Min. 500	540 - 580
<b>Physical Properties - Aged</b>		
Tensile Strength (MPa)	Min. 14	37 - 44
Elongation (%)	Min. 400	540 - 580

\* typical product performance not to be taken as actual product specifications

## COLOR CODE



BB

Images are for illustrative purposes only

## PRODUCT TESTAMENT

\* Comply to International Standard (ASTM D6319) FDA 510(k) Pre-market Notification

### Biological Evaluation

Primary Skin Irritation Test  
Dermal Sensitization Assay  
Cytotoxicity Test

### Food Handling

US FDA 21 CFR 177.2600  
(EU) No. 10/2011(EN 1186)

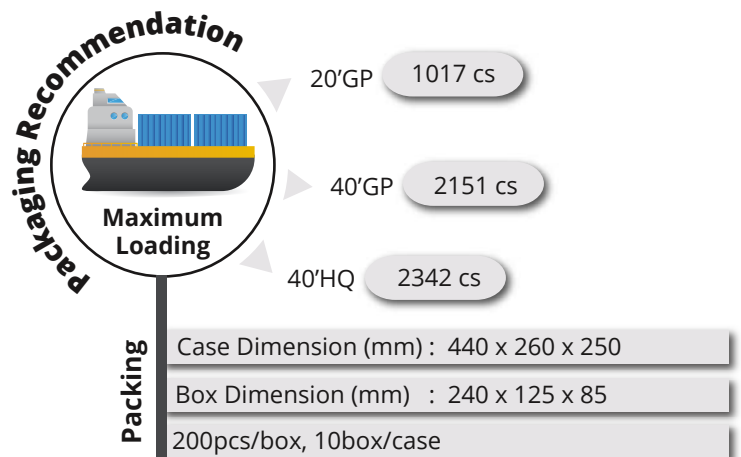
### Additional Test

Viral Penetration (ASTM F1671)  
Chemotherapy Drugs (ASTM D6978)  
Chemical Residue  
Modified Draize 95  
Japanese Clinical Dermatology

### PPE Compliance

PPE 89/686/EEC

## PACKAGING INFORMATION



## PRODUCT ATTRIBUTES

Powder-Free Chlorinated | Fingertips Textured  
Ambidextrous | Low Dermatitis Potential | Standard Cuff  
Beaded | AQL 1.5



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