

/PROCUREMENT DEPARTMENT
Rm 120 Municipal Services Building
Philadelphia, PA 19102-1685
FAX: (215) 686-4716

CITY OF PHILADELPHIA

Hugh Ortman
Procurement Commissioner

August 5, 2009

BID NUMBER: T9Z54880
TITLE: Gloves, Latex/Nitrile
DEPARTMENT: Various
DATE TO OPEN: August 14, 2009 at 10:30 AM

ADDENDUM # 1

TO ALL BIDDERS:

You are hereby notified of the following changes to the above mentioned bid:

Bid **T9Z54880** has been postponed and is scheduled to open on **September 3, 2009 at 10:30 AM.**

Revised Cover Page attached.

Please sign, date and return this addendum with your bid to the Procurement Department, 1401 J.F.K Boulevard, Bid Room 170A, Philadelphia, PA 19102-1685 as it now becomes a part of the proposal.

Buyer, D. Isaac

AUTHORIZED SIGNATURE

FIRM NAME (PRINT)

DATE

Attachment

DI/cs

BID OPENING DATE AND TIME**On: August 14, 2009****AT: 10:30 A.M.**

BID NO. T9Z54880	PAGE 1 OF 30	INVITATION AND BID ADVERTISED	BIDDER MUST COMPLETE BELOW BIDDER AGREES TO COMPLY WITH ALL CONDITIONS OF THIS BID. UNSIGNED BIDS WILL NOT BE ACCEPTED.
This Invitation to Bid with your quotations must be received prior to the above cited bid opening date and time.		 CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT MUNICIPAL SERVICES BLDG. 1401 JFK BLVD, ROOM 170A PHILADELPHIA, PA 19102-1685	NAME AND ADDRESS OF FIRM
DEPARTMENT VARIOUS	DIVISION		Federal EIN/Social Security Number
AWARDED			BUYER D. ISAAC J. WASHINGTON
DATE FOR THE PROCUREMENT COMMISSIONER			

TITLE OF BID**GLOVES, LATEX/NITRILE****GENERAL INFORMATION**

This Invitation to Bid is issued under the Anti-Discrimination Policy described in the Mayor's Executive Order 02-05.

While there are no Participation Ranges projected for this Bid, bidders are prohibited from discriminating in their selection of subcontractors and are encouraged to solicit quotes from businesses on an equitable basis with other firms.

For informational purposes only, please describe any such commitments on a separate sheet and identify the subcontractor's name, Commerce Department Office of Economic Opportunity (OEO) Certification Number, and dollar amount/ percentage of work.

BID QUESTIONS

All questions concerning this Invitation to Bid, including specifications and conditions, must be presented prior to the bid opening date and time. Contact the Procurement Department, Public Information Center by calling (215) 686-4721, 686-4720, or 686-4719 with questions.

BID SECURITY

When applicable, BIDDERS MUST SUBMIT BID SECURITY.

BID SIGNATURE

**BIDDERS MUST SIGN
PAGE 8 OF THE
"TERMS AND CONDITIONS".**

For City Use Only

BID SECURITY See Conditions of Bidding	MASTER BID SECURITY		CERTIFIED CHECK SUBMITTED WITH BID	
	<input type="checkbox"/> YES	<input type="checkbox"/> NO	AMOUNT	CHECK NUMBER

PROCUREMENT DEPARTMENT
Rm 120 Municipal Services Building
Philadelphia, PA 19102-1685
FAX: (215) 686-4716

CITY OF PHILADELPHIA

Hugh Ortman
Procurement Commissioner

August 7, 2009

BID NUMBER: T9Z54880
TITLE: Gloves, Latex and Nitrile
DEPARTMENT: Various
DATE TO OPEN: September 03, 2009 at 10:30 AM

ADDENDUM # 2

TO ALL BIDDERS:

You are hereby notified of the following changes to the above mentioned bid:

Specifications No. 7-G-1d:09 and No. 7-G-2d:09 to Bid T9Z54880 attached.

Please sign, date and return this addendum with your bid to the Procurement Department, 1401 J.F.K Boulevard, Bid Room 170A, Philadelphia, PA 19102-1685 as it now becomes a part of the proposal.

Buyer, D. Isaac

AUTHORIZED SIGNATURE

FIRM NAME (PRINT)

DATE

DI/cs

CITY OF PHILADELPHIA
PROCUREMENT DEPARTMENT
STANDARDS DIVISION

SPECIFICATION



LATEX EMERGENCY MEDICAL GLOVES

TECHNICAL SPECIFICATIONS FOR LATEX GLOVES

1. SCOPE

- 1.1 Purchase of various latex hi risk gloves for use primarily in medical applications city wide.

2. DEFINITION

- 2.1 **ASTM** – American Society for Testing and Materials
- 2.2 **Batch** – A quantity of gloves produced from a single, incoming shipment of incoming raw material – subset of a lot. Batch sizes must be traceable to production line, operators, packaging and the polymer coat process.
- 2.3 **Batch Number** – A unique number assigned to all gloves produced from a single batch used in tracking materials through the production process and in tracing quality problems to their source.
- 2.4 **Date of Manufacture** – A distinct and separate number that clearly identifies the date of manufacture – not the lot number – cannot be coded.
- 2.5 **Lot** – A quantity of gloves produced in a given time period based on a formula or recipe.
- 2.6 **Lot Number** – Unique number assigned to specific dates of production and utilized to trace quality problems to their source.
- 2.7 **Manufacturer** - A factory that operates the production line and controls the quality of the end product.
- 2.8 **Package** – The wrapping or enclosure directly containing the smallest number of gloves from which the user withdraws product for use, commonly referred to as a box.
- 2.9 **Private Labeler** - The entity that procures product from a manufacturer and whose name appears on the product labeling.
- 2.10 **Shall** – This term indicates a mandatory requirement.
- 2.11 **Standard** – The established requirements of NFPA 1999–2008 edition, ASTM D3578 or other standards as referenced and set forth in this document.

- 2.12 Independent Third Party Test Laboratory** – Third Party is identified as a nationally recognized test laboratory (NRTL) independent of the factory, importer, private labeler, or distributor, and having no interest, partnership, funding from or to, or located on the premises of and must be ISO 17025 third party accredited and have the appropriate scope of accreditation for the test being performed.
- 2.13 Will** – This term indicates a mandatory requirement.

3. CERTIFICATIONS & SPECIFICATIONS

3.1 BIDDERS MUST MEET ALL CERTIFICATIONS AND SPECIFICATIONS CONTAINED IN THIS DOCUMENT. IF A BIDDER DOES NOT MEET A CERTIFICATION OR SPECIFICATION LISTED, THEY WILL BE DECLARED NON-RESPONSIVE. SEE ATTACHED SPECIFICATION WORKSHEET.

3.2 NFPA 1999-2008

3.3 ISO 9001-2000

3.4 FDA 510K Registration

3.5 Packaging

3.5.1 Each box of 50 or 100 gloves, (of bid samples and on each post bid shipment) must be marked with a lot #, separate batch #, separate un-coded date of manufacture, model # and design, and glove size in package. No labels or stickers will be accepted.

3.5.2 Each box will have printed legibly the shelf life warranty and recommended storage conditions in accordance with NFPA 1999-2008 requirements.

3.5.3 All gloves (of bid samples and on each post bid shipment) must be in the original manufacturer's packaging. This packaging must not be tampered with. No area should be cut out or covered over by labels other than those put on by the manufacturer.

3.6 Shelf Life

3.6.1 The City will not accept any product that has a manufacturing date older than twenty-four (24) months from the date of manufacture.

4. DOCUMENTATION REQUIRED (All Technical Data Packages must include the following):

- 4.1** ALL REQUIRED DOCUMENTATION MUST BE PROVIDED AT THE TIME OF BID SUBMISSION. THE OMISSION OF ANY REQUIRED DOCUMENTATION OR SAMPLES WILL RESULT IN THE BIDDER BEING DECLARED NON-RESPONSIVE.
- 4.2** NFPA 1999-2008 Certification by Underwriters Laboratories or Safety Equipment Laboratories.

- 4.3 ISO 9001-2000 Certification for both manufacturer and private labeler.
- 4.4 FDA 510K Registration for manufacturer product submitted, including process and color.
- 4.5 ASTM D3578 Independent 3rd Party Laboratory Test Report showing gloves meet the following criteria as listed below and in the Invitation and Bid document.

4.5.1 Lot Control

- 4.5.1.1 Each test data must be for a lot < 1,000,000 gloves and > 500,000 gloves.

4.5.2 Chemical Exclusions

- 4.5.2.1 Chemicals tested less than below detectable levels for all chemicals referenced in Specification Worksheet.
- 4.5.2.2 Manufacturer letter confirming gloves are NOT manufactured using a chlorinated process.
- 4.5.2.3 Manufacturer flow chart outlining double polymer coating / non chlorination process.

4.5.3 Latex Protein & Powder Residue

- 4.5.3.1 Guthrie Institute, or other recognized institute, test data showing Modified Lowry ASTM D5712-95 has been performed with results <50 ug/g: Leap Assay test results showing Antigenic Protein Concentration did not exceed 40 ug/g of sample. (Minimum 2 samples.)
- 4.5.3.2 Particle Measurement Technology, or other recognized institute, test data showing average powder residue levels detected with results <2.0 mg/dm² powder level.

4.5.4 Physical Requirements

- 4.5.4.1 Data must clearly show that all physical and dimensions requirements, including tensile, elongation, length, thickness, box count and watertight AQL have been achieved.

- 4.5.4.2 Data Sets Required to Verify Physical Requirements are Adhered to:

- 4.5.4.2.1 12" 12 Mil Hi Risk Latex – 1 Set
- 4.5.4.2.2 10" 12 Mil Hi Risk Latex – 1 Set
- 4.5.4.2.3 10" 9 Mil Hi Risk Latex – 1 Set

4.6 Literature Sheets

- 4.6.1 Bidders must submit literature sheets that declare minimum tolerances for thickness properties. Average thickness dimensions will not be allowed unless literature sheet declares +/- tolerances. If either minimum or average thickness is not declared, vendor will be deemed non-responsive and will be immediately disqualified.

Literature sheets must not be altered.

- 4.7 Factory invoices must be submitted for the same lots provided for test data in Section 4.5.4.2. Bidders must show that factory submitted was under UL audit during the invoice period to show adherence to NFPA regulations.

5. SAMPLES

- 5.1 **Bidder** must submit for evaluation a minimum of 1 box of each size for each glove model considered for bid. All sample gloves must be submitted with all required documentation upon bid submission. Third Party Testing must be submitted as per Invitation and Bid. Failure to submit samples will result in bidder being declared non-responsive.

6. EVALUATION

- 6.1 Gloves submitted will be tested by a panel of EMS Captains and Protocol Committee members. The gloves must meet the following criteria:
- 6.1.1 Less than 5% breakage while routinely trying on the gloves.
 - 6.1.2 Gloves will be field tested to assure that the sizes conform to the needs of fire and various city department personnel.
 - 6.1.3 Gloves shall provide maximum sensitivity so that the user can perform such medical tasks as feeling a pulse, intubation, and picking up small objects in the course of treating a patient. Gloves shall provide a secure grip of smooth, hard objects that are handled by field providers during patient treatment.

7. QUALITY ASSURANCE

- 7.1 Testing as specified by this standard in section 4.5 shall be conducted on a pre-shipment lot to lot basis. Test data shall be supplied for each shipment of gloves received by the City, upon request for pre-shipment approval. This test data shall be used to verify that:
- 7.1.1 All gloves received by the city are compliant with this standard
 - 7.1.2 The manufacturer or private labeler maintains NFPA 1999-2008 Edition Certification
 - 7.1.3 No gloves are received for non-certified manufacturer's or factories
 - 7.1.4 Gloves received are not "seconds" or otherwise substandard

8. WARRANTY

- 8.1 All products are to be warranted against all defects in parts or workmanship. The vendor shall replace any and all products which are found to be defective or substandard.

8.2 The City Procurement Department shall be notified immediately in the event of any of the following:

8.2.1 Problems regarding Good Manufacturing Practices in the production of the product

8.2.2 Any and all problems with compliance to this standard

8.2.3 Any changes affecting the form, fit or function of the product

8.2.4 Any and all recalls of the product.

8.2.5 Any gloves in possession of the City identified by lot and/or batch number as recalled will be replaced at no cost to the City.

9. INDIVIDUAL LATEX GLOVE SPECIFICATIONS

9.1 12" 12 Mil Hi Risk Latex

- 100% Latex / Double Polymer Coated / NON Chlorinated / Natural Color
- Glove Surface - Full Texture
- 12" Minimum Length
- Minimum Thickness
 - 12 Mil / 9 Mil Palm / 6 Mil Cuff
- Sizes Available S – 3XL
- Palm Width +5 Tolerance
 - S – 82 / M – 92 / L – 105 / XL – 110 / 2XL – 115 / 3XL – 120
- Watertight AQL .65
- Tensile Before Aging 28 / After Aging 25
- Elongation Before Aging 850 / After Aging 850
- Chemical Exclusions (Must Test Below Detectable Levels)
 - Zinc dibutylthiocarbamate (ZDBC)
 - Zinc diethylthiocarbamate (ZDEC)
- Chemical Exclusions (Must not be used in the manufacturing process)
 - Mercaptobenzothiazole (MRT)
 - Tetramethylthiuram disulfide (TMTD)
 - Butylhydroxyanisole (BHA)
 - Chlorine
- Lot Control < 600,000 gloves
- Batch Control < 40,000
- Sampling Plan ANSI / ASQ Z1.4-2003
- Packaging 50 Box / 10 Box Case

9.2 10" 12 Mil Hi Risk Latex

- 100% Latex / Double Polymer Coated / NON Chlorinated / Natural Color
- Glove Surface - Full Texture
- 10" Minimum Length
- Minimum Thickness

- 12 Mil / 9 Mil Palm / 6 Mil Cuff
- Sizes Available S – 2XL
- Palm Width +5 Tolerance
 - S – 82 / M – 92 / L – 105 / XL – 110 / 2XL – 115
- Watertight AQL 1.0
- Tensile Before Aging 28 / After Aging 25
- Elongation Before Aging 850 / After Aging 850
- Chemical Exclusions (Must Test Below Detectable Levels)
 - Zinc dibutylthiocarbamate (ZDBC)
 - Zinc diethylthiocarbamate (ZDEC)
- Chemical Exclusions (Must not be used in the manufacturing process)
 - Mercaptobenzothiazole (MRT)
 - Tetramethylthiuram disulfide (TMTD)
 - Butylhydroxyanisole (BHA)
 - Chlorine
- Lot Control < 600,000 gloves
- Batch Control < 40,000
- Sampling Plan ANSI / ASQ Z1.4-2003
- Packaging 50 Box / 10 Box Case

9.3 10” 9 Mil Hi Risk Latex

- 100% Latex / Double Polymer Coated / NON Chlorinated / Natural Color
- Glove Surface - Full Texture
- 10” Minimum Length
- Minimum Thickness
 - 9 Mil / 7 Mil Palm / 5 Mil Cuff
- Sizes Available S – 2XL
- Palm Width +5 Tolerance
 - S – 82 / M – 92 / L – 105 / XL – 110 / 2XL – 115
- Watertight AQL 1.0
- Tensile Before Aging 26 / After Aging 23
- Elongation Before Aging 800 / After Aging 750
- Chemical Exclusions (Must Test Below Detectable Levels)
 - Zinc dibutylthiocarbamate (ZDBC)
 - Zinc diethylthiocarbamate (ZDEC)
- Chemical Exclusions (Must not be used in the manufacturing process)
 - Mercaptobenzothiazole (MRT)
 - Tetramethylthiuram disulfide (TMTD)
 - Butylhydroxyanisole (BHA)
 - Chlorine
- Lot Control < 900,000 gloves
- Batch Control < 40,000
- Sampling Plan ANSI / ASQ Z1.4-2003
- Packaging 100 Box / 10 Box Case

CITY OF PHILADELPHIA
PROCUREMENT DEPARTMENT
STANDARDS DIVISION

SPECIFICATION



NITRILE EMERGENCY MEDICAL GLOVES

TECHNICAL SPECIFICATIONS FOR NITRILE GLOVES

1. **SCOPE**

- 1.1 Purchase of various nitrile hi risk gloves for use primarily in medical applications city wide.

2. **DEFINITIONS**

- 2.1 **ASTM** – American Society for Testing and Materials
- 2.2 **Batch** – A quantity of gloves produced from a single, incoming shipment of incoming raw material – subset of a lot. Batch sizes must be traceable to production line, operators, packaging and the polymer coat process.
- 2.3 **Batch Number** – A unique number assigned to all gloves produced from a single batch used in tracking materials through the production process and in tracing quality problems to their source.
- 2.4 **Date of Manufacture** – A distinct and separate number that clearly identifies the date of manufacture – not the lot number – cannot be coded.
- 2.5 **Lot** – A quantity of gloves produced in a given time period based on a formula or recipe.
- 2.6 **Lot Number** – Unique number assigned to specific dates of production and utilized to trace quality problems to their source.
- 2.7 **Manufacturer** - A factory who operates the production line and controls the quality of the end product.
- 2.8 **Package** – The wrapping or enclosure directly containing the smallest number of gloves from which the user withdraws product for use, commonly referred to as a box.
- 2.9 **Private Labeler** - The entity that procures product from a manufacturer and whose name appears on the product labeling.
- 2.10 **Shall** – This term indicates a mandatory requirement.

- 2.11 Standard** – The established requirements of NFPA 1999–2008 edition, ASTM D6319 or other standards as referenced and set forth in this document.
- 2.12 Independent Third Party Test Laboratory** – Third Party is identified as a nationally recognized test laboratory (NRTL) independent of the factory, importer, private labeler, or distributor, and having no interest, partnership, funding from or to, or located on the premises of and must be ISO 17025 third party accredited and have the appropriate scope of accreditation for the test being performed.
- 2.13 Will** – This term indicates a mandatory requirement.

3. CERTIFICATIONS & SPECIFICATIONS

- 3.1** BIDDERS MUST MEET ALL CERTIFICATIONS AND SPECIFICATIONS CONTAINED IN THIS DOCUMENT. IF A BIDDER DOES NOT MEET A CERTIFICATION OR SPECIFICATION LISTED, THEY WILL BE DECLARED NON-RESPONSIVE. SEE ATTACHED SPECIFICATION WORKSHEET.
- 3.2** NFPA 1999, 2008 Edition
- 3.3** ISO 9001, 2000 Edition
- 3.4** FDA 510K Registration
- 3.5 Packaging**
- 3.5.1** Each box of 50 or 100 gloves, (of bid samples and on each post bid shipment) must be marked with a lot #, separate batch #, separate un-coded date of manufacture, model # and design, and glove size in package. No labels or stickers will be accepted.
- 3.5.2** Each box will have printed legibly the shelf life warranty and recommended storage conditions in accordance with NFPA 1999, 2008 requirements.
- 3.5.3** All gloves (of bid samples and on each post bid shipment) must be in the original manufacturer's packaging. This packaging must not be tampered with. No area should be cut out or covered over by labels other than those put on by the manufacturer.
- 3.6 Shelf Life**
- 3.6.1** The City will not accept any product that has a manufacturing date older than twenty-four (24) months from the date of manufacture.

4. DOCUMENTATION REQUIRED (All Technical Data Packages must include the following):

- 4.1** ALL REQUIRED DOCUMENTATION MUST BE PROVIDED AT THE TIME OF BID SUBMISSION. THE OMISSION OF ANY REQUIRED DOCUMENTATION OR SAMPLES WILL RESULT IN THE BIDDER BEING DECLARED NON-RESPONSIVE.

- 4.2** NFPA 1999, 2008 Edition, Certification by Underwriters Laboratories or Safety Equipment Laboratories.
- 4.3** ISO 9001, 2000 Edition Certification for both manufacturer and private labeler.
- 4.4** FDA 510K Registration for manufacturer product submitted, including process and color.
- 4.5** ASTM D6319 Independent 3rd Party Laboratory Test Report showing gloves meet the following criteria as listed below and in The Invitation and Bid:
- 4.5.1 Lot Control**
- 4.5.1.1** Each test data must be for a lot < 1,000,000 gloves and > 500,000 gloves.
- 4.5.2 Chemical Exclusions**
- 4.5.2.1** Chemicals tested less than below detectable levels for all chemicals referenced in Specification Worksheet.
- 4.5.2.2** Manufacturer letter confirming gloves are NOT manufactured using a chlorinated process.
- 4.5.2.3** Manufacturer flow chart outlining double polymer coating / non chlorination process.
- 4.5.3 Physical Requirements**
- 4.5.3.1** Data must clearly show that all physical and dimensions requirements, including tensile, elongation, length, thickness, box count and watertight AQL have been achieved.
- 4.5.3.2** Data Sets Required to Verify Physical Requirements are Adhered to:
- 4.5.3.2.1** 12" 8.25 Mil Hi Risk Nitrile – 1 Set
- 4.5.3.2.2** 12" 7 Mil Hi Risk Nitrile – 1 Set
- 4.5.3.2.3** 12" 5.1 Mil Hi Risk Nitrile – 1 Set
- 4.5.3.2.4** 9.5" 7 Mil Hi Risk Nitrile – 1 Set
- 4.5.3.2.5** 9.5" 5.1 Mil Hi Risk Nitrile – 1 Set
- 4.6 Literature Sheets**
- 4.6.1** Bidders must submit literature sheets that declare minimum tolerances for thickness properties. Average thickness dimensions will not be allowed unless literature sheet declares +/- tolerances. If either minimum or average thickness is not declared, vendor will be deemed non-responsive and will be immediately disqualified. Literature sheets must not be altered.
- 4.7** Factory invoices must be submitted for the same lots provided for test data in Section 4.5.3.2. Bidders must show that factory submitted was under UL audit during the invoice period to show adherence to NFPA regulations.

5. SAMPLES

- 5.1** Bidder must submit for evaluation a minimum of 1 box of each size for each glove model considered for bid. All sample gloves must be submitted with all required documentation upon bid submission. Third Party Testing must be submitted as per instructions listed in the Invitation and Bid document. Failure to submit samples will result in bidder being declared non-responsive.

6. EVALUATION

- 6.1** Gloves submitted will be tested by a panel of EMS Captains and Protocol Committee members. The gloves must meet the following criteria:
- 6.1.1** Less than 5% breakage while routinely trying on the gloves.
 - 6.1.2** Gloves will be field tested to assure that the sizes conform to the needs of fire and various city department personnel.
 - 6.1.3** Gloves shall provide maximum sensitivity so that the user can perform such medical tasks as feeling a pulse, intubation, and picking up small objects in the course of treating a patient. Gloves shall provide a secure grip of smooth, hard objects that are handled by field providers during patient treatment.
 - 6.1.4** Gloves must provide non adherence properties when used in conjunction with duct tape, veniguards, or EKG patches. No glove shall rip or need to be removed during testing.

7. QUALITY ASSURANCE

- 7.1** Testing as specified by this standard in section 4.5 shall be conducted on a pre-shipment lot to lot basis. Test data shall be supplied for each shipment of gloves received by the City of Philadelphia, upon request for pre-shipment approval. This test data shall be used to verify that:
- 7.1.1** All gloves received by the city are compliant with this standard
 - 7.1.2** The manufacturer or private labeler maintains NFPA 1999-2008 Edition Certification
 - 7.1.3** No gloves are received for non-certified manufacturer's or factories
 - 7.1.4** Gloves received are not "seconds" or otherwise substandard

8. WARRANTY

- 8.1** All products are to be warranted against all defects in parts or workmanship. The vendor shall replace any and all products which are found to be defective or substandard.
- 8.2** The City of Philadelphia Procurement Department shall be notified immediately in the event of any of the following:
- 8.2.1** Problems regarding Good Manufacturing Practices in the production of the product
 - 8.2.2** Any and all problems with compliance to this standard

- 8.2.3 Any changes affecting the form, fit or function of the product
- 8.2.4 Any and all recalls of the product.
- 8.2.5 Any gloves in possession of the City of Philadelphia identified by lot and/or batch number as recalled will be replaced at no cost to the City.

9. INDIVIDUAL LATEX GLOVE SPECIFICATIONS

9.1 12" 8.25 Mil Hi Risk Nitrile

- 100% Nitrile / Double Polymer Coated / NON Chlorinated / Steel Blue Color
- Glove Surface – Finger Tip Texture / RezTak No Stick Surface
- 12" Minimum Length
- Minimum Thickness
 - 8.25 Mil / 6.5 Mil Palm / 5 Mil Cuff
- Sizes Available S – 3XL
- Palm Width +5 Tolerance
 - S – 82 / M – 92 / L – 105 / XL – 110 / 2XL – 118 / 3XL – 126
- Watertight AQL .65
- Tensile Before Aging 25 / After Aging 23
- Elongation Before Aging 650 / After Aging 600
- Chemical Exclusions (Must Test Below Detectable Levels)
 - Zinc dibutylthiocarbamate (ZDBC)
 - Zinc diethylthiocarbamate (ZDEC)
- Chemical Exclusions (Must not be used in the manufacturing process)
 - Mercaptobenzothiazole (MRT)
 - Tetramethylthiuram disulfide (TMTD)
 - Butylhydroxyanisole (BHA)
 - Chlorine
- Lot Control < 1,000,000 gloves
- Batch Control < 40,000
- Sampling Plan ANSI / ASQ Z1.4-2003
- Packaging 50 Box / 10 Box Case

9.2 12" 7 Mil Hi Risk Nitrile –

- 100% Nitrile / Double Polymer Coated / NON Chlorinated / Steel Blue Color
- Glove Surface - Finger Tip Texture / RezTak No Stick Surface
- 12" Minimum Length
- Minimum Thickness
 - 7 Mil / 5.5 Mil Palm / 4 Mil Cuff
- Sizes Available S – 3XL
- Palm Width +5 Tolerance
 - S – 82 / M – 92 / L – 105 / XL – 110 / 2XL – 118 / 3XL – 126
- Watertight AQL 1.0
- Tensile Before Aging 22 / After Aging 18
- Elongation Before Aging 650 / After Aging 600

- Chemical Exclusions (Must Test Below Detectable Levels)
 - Zinc dibutylthiocarbamate (ZDBC)
 - Zinc diethylthiocarbamate (ZDEC)
- Chemical Exclusions (Must not be used in the manufacturing process)
 - Mercaptobenzothiazole (MRT)
 - Tetramethylthiuram disulfide (TMTD)
 - Butylhydroxyanisole (BHA)
 - Chlorine
- Lot Control < 1,000,000 gloves
- Batch Control < 40,000
- Sampling Plan ANSI / ASQ Z1.4-2003
- Packaging 100 Box / 10 Box Case

9.3 12" 5.1 Mil Hi Risk Nitrile

- 100% Nitrile / Double Polymer Coated / NON Chlorinated / Steel Blue Color
- Glove Surface – Finger Tip Texture FingerFlex Technology / RezTak No Stick Surface
- 12" Minimum Length
- Minimum Thickness
 - 5.1 Mil / 4.0 Mil Palm / 3.2 Mil Cuff
- Sizes Available S – 3XL
- Palm Width +5 Tolerance
 - S – 82 / M – 92 / L – 105 / XL – 110 / 2XL – 118 / 3XL – 126
- Watertight AQL 1.0
- Tensile Before Aging 22 / After Aging 18
- Elongation Before Aging 650 / After Aging 600
- Chemical Exclusions (Must Test Below Detectable Levels)
 - Zinc dibutylthiocarbamate (ZDBC)
 - Zinc diethylthiocarbamate (ZDEC)
- Chemical Exclusions (Must not be used in the manufacturing process)
 - Mercaptobenzothiazole (MRT)
 - Tetramethylthiuram disulfide (TMTD)
 - Butylhydroxyanisole (BHA)
 - Chlorine
- Lot Control < 1,000,000 gloves
- Batch Control < 40,000
- Sampling Plan ANSI / ASQ Z1.4-2003
- Packaging 100 Box / 10 Box Case

9.4 9.5" 7 Mil Hi Risk Nitrile

- 100% Nitrile / Double Polymer Coated / NON Chlorinated / Steel Blue Color
- Glove Surface – Finger Tip Texture / RezTak No Stick Surface
- 9.5" Minimum Length
- Minimum Thickness
 - 7 Mil / 5.5 Mil Palm / 4 Mil Cuff

- Sizes Available S – 3XL
- Palm Width +5 Tolerance
 - S – 82 / M – 92 / L – 105 / XL – 110 / 2XL – 118 / 3XL – 126
- Watertight AQL 1.0
- Tensile Before Aging 22 / After Aging 18
- Elongation Before Aging 650 / After Aging 600
- Chemical Exclusions (Must Test Below Detectable Levels)
 - Zinc dibutylthiocarbamate (ZDBC)
 - Zinc diethylthiocarbamate (ZDEC)
- Chemical Exclusions (Must not be used in the manufacturing process)
 - Mercaptobenzothiazole (MRT)
 - Tetramethylthiuram disulfide (TMTD)
 - Butylhydroxyanisole (BHA)
 - Chlorine
- Lot Control < 1,000,000 gloves
- Batch Control < 40,000
- Sampling Plan ANSI / ASQ Z1.4-2003
- Packaging 100 Box / 10 Box Case

9.5 9.5” 5.1 Mil Hi Risk Nitrile

- 100% Nitrile / Double Polymer Coated / NON Chlorinated / Steel Blue Color
- Glove Surface – Finger Tip Texture / RezTak No Stick Surface
- 9.5” Minimum Length
- Minimum Thickness
 - 5.1 Mil / 4.0 Mil Palm / 3.2 Mil Cuff
- Sizes Available S – 3XL
- Palm Width +5 Tolerance
 - S – 82 / M – 92 / L – 105 / XL – 110 / 2XL – 118 / 3XL – 126
- Watertight AQL 1.0
- Tensile Before Aging 18 / After Aging 16
- Elongation Before Aging 600 / After Aging 600
- Chemical Exclusions (Must Test Below Detectable Levels)
 - Zinc dibutylthiocarbamate (ZDBC)
 - Zinc diethylthiocarbamate (ZDEC)
- Chemical Exclusions (Must not be used in the manufacturing process)
 - Mercaptobenzothiazole (MRT)
 - Tetramethylthiuram disulfide (TMTD)
 - Butylhydroxyanisole (BHA)
 - Chlorine
- Lot Control < 1,000,000 gloves
- Batch Control < 40,000
- Sampling Plan ANSI / ASQ Z1.4-2003
- Packaging 100 Box / 10 Box Case