

# *MasterClean Protection*

## **LATEX GLOVES**

**For**

## **CLEAN ROOM USE**

**⚡** *FEATURES*

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**⚡** *GLOVE SPECIFICATIONS*

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- *Particle Counts*
- *Extractable Ions*

**⚡** *PHYSICAL PROPERTIES*

**⚡** *TESTING REFERENCES*

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Manufactured By:

**MasterClean Technologies Sdn. Bhd.** – MALAYSIA

TEL: (606)-677-2781

FAX: (606)-677-2780

Product Sheet No. CRL01-0  
Date Issued: 15 July 2002

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## 1. FEATURES

- LOW PARTICULATE COUNTS
- LOW IONIC CONTENT
- LOW PROTEIN LEVELS – REDUCES RISK OF ALLERGIC REACTIONS
- HIGH MODULUS FOR EXTRA COMFORT
- TEXTURED SURFACE FOR BETTER GRIP
- INSPECTED & PACKED IN CLASS A 100 CLEAN ROOM
- LONG BEADED CUFF – ELIMINATES GAPS BETWEEN SLEEVES & GLOVES
- AMBIDEXTROUS

## 2. PACKAGING

GLOVES ARE LAID OUT WITH CUFFS ALIGNED TO OPENING EDGE OF BAG.  
GLOVES ARE DOUBLE BAGGED IN ESD POLYBAGS.  
10 DOUBLE BAGS IN LINER POLYBAG PER DOUBLE WALLED CARTON.

## 3. APPLICATIONS

INDUSTRY	RECOMMENDED BRAND
SEMICONDUCTOR & WAFER MANUFACTURING	<i>MasterClean Protection</i>
MICROCHIP ASSEMBLY & MICROELECTRONIC	<i>MasterClean Protection</i>
AEROSPACE	<i>MasterClean Protection/MasterClean Comfort</i>
PHARMACEUTICAL / BIOTECHNOLOGY	<i>MasterClean Comfort</i>
ELECTRONIC ASSEMBLY LINES	<i>MasterClean Comfort</i>
FOOD MANUFACTURING	<i>MasterClean Comfort/MasterClean Grip</i>
OPTICS	<i>MasterClean Comfort/MasterClean Grip</i>

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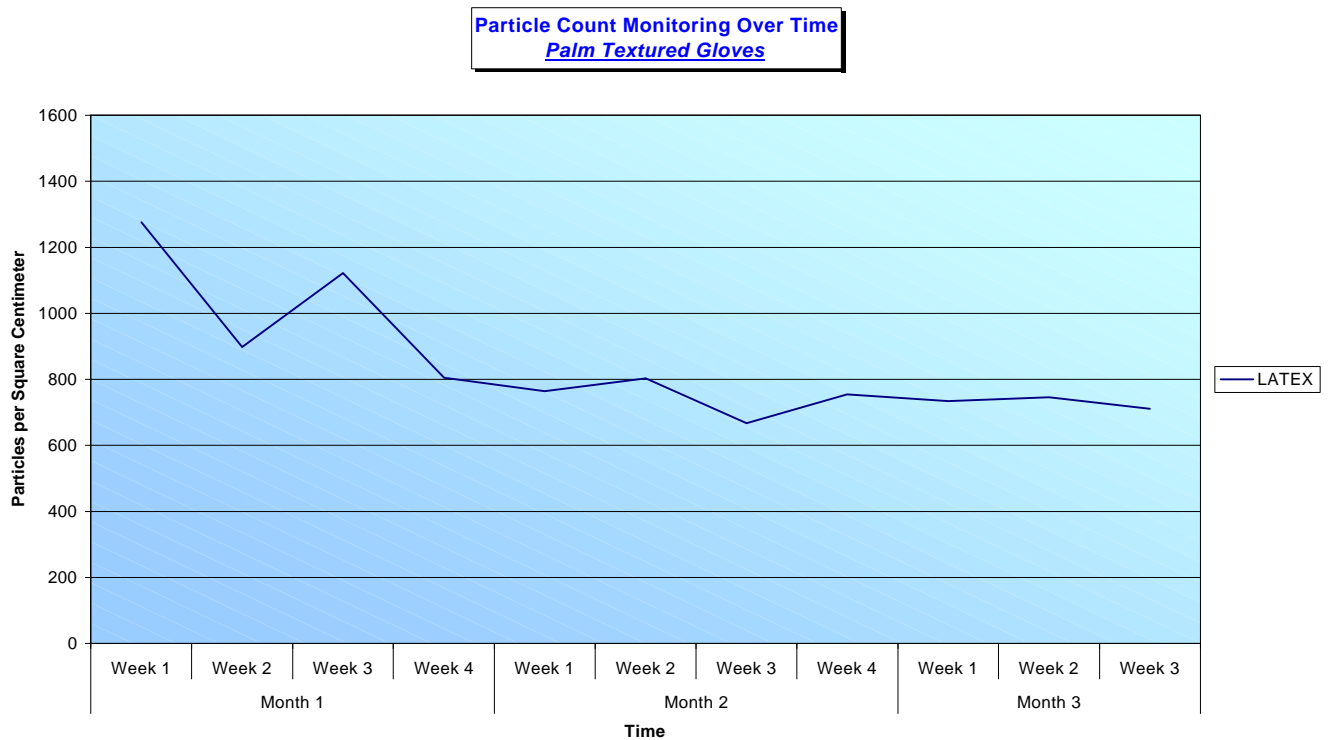
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## 4. GLOVE SPECIFICATIONS

Glove Brand	Sizes	Available Length (mm)	Finish	Available Colours	Environment
<i>MasterClean Protection</i>	S, M, L, & XL	290 +/- 10	Smooth, Palm Textured or Finger Textured	Natural	Class 1, 10 or 100 (ISO 3, 4 or 5)
<i>MasterClean Comfort</i>	S, M, L & XL	290 +/- 10 240 +/- 10	Smooth, Palm Textured or Finger Textured	Natural	Class 1000 (ISO 6)
<i>MasterClean Grip</i>	S, M, L & XL	290 +/- 10 240 +/- 10	Palm Textured	Natural	Above Class 1000 (ISO 6)

## 5. GLOVE PERFORMANCE PROFILE

Particle Counts



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## 5.2 Extractable Ions

<i>Key Trace Elements</i>	<i>Maximum mg/gram glove (ppm)</i>
Chloride (Cl)	<100
Nitrate (NO <sub>3</sub> )	< 30 (ND)
Phosphate (PO <sub>4</sub> )	< 30 (ND)
Silica (SiO <sub>3</sub> )	<5.0 (ND)
NVR	ND

**ND – Not Detectable**

Other trace elements can be tested to meet customer's requirements.

## 6. PHYSICAL PROPERTIES

Minimum levels are:

<i>Properties</i>	<i>MasterClean Protection</i>	<i>ASTM Specifications</i>
Tensile Strength Before Ageing	26 Mpa	14 Mpa
Tensile Strength After Ageing 7 Days at 70°C	22 MPa	14 Mpa
Elongation at Break Before Ageing	800%	650%
Elongation at Break After Ageing 7 Days at 70°C	750%	500%

- *Exceeds ASTM D-3578-00a – Standard Specification for Rubber Examination Gloves*

## 7. TESTING REFERENCES

*IES - RP - CC – 005 – Recommended Practice for Cleanroom Gloves*

*ASTM D412 – Tensile Properties of Rubbers*

*ASTM D573 – Accelerated Ageing for Latex (70°C for 7 Days)*

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