

# Vital process protection and comfort.

## KIMTECH PURE\* G3 STERLING\* Nitrile Gloves

### KIMTECH PURE\* G3 STERLING\* Nitrile Gloves offer Improved Performance, Added Value and are Better for the Environment.

- Recommended for ISO Class 3 or higher cleanroom environments
- Contain no natural rubber latex reducing the potential for TYPE I glove –associated reactions
- Static dissipative in use
- Safe handling of objects due to improved and consistent grip
- Double-bagged with case liner
- Certificate of Analysis (by Lot) available online
- Trend Data available online to demonstrate product quality over time

### Improved Performance

Our STERLING\* Nitrile manufacturing process boosts the glove's tensile strength (the force required to break through the glove) to increase its barrier protection. The process also allows a reduction in glove thickness, so less force is required to stretch the material. The result is a latex-free glove with the dexterity and sensitivity of latex.

### Added Value

The STERLING\* Nitrile gloves can reduce the waste without sacrificing strength, comfort or protection. The thinner material of the glove and its improved tensile strength enhance the wearer's comfort. Improved performance means a better value for you and your business.

### Better For The Environment

Reduced glove thickness requires less raw materials in production which can significantly reduce your waste. There are more gloves per pack and so less storage space is required.

### TYPICAL INDUSTRIES

- Semiconductor
- Medical Device
- Flat Panel Display
- Pharmaceutical
- Disk Drive Manufacturing
- Electronics

EN374-2:2003



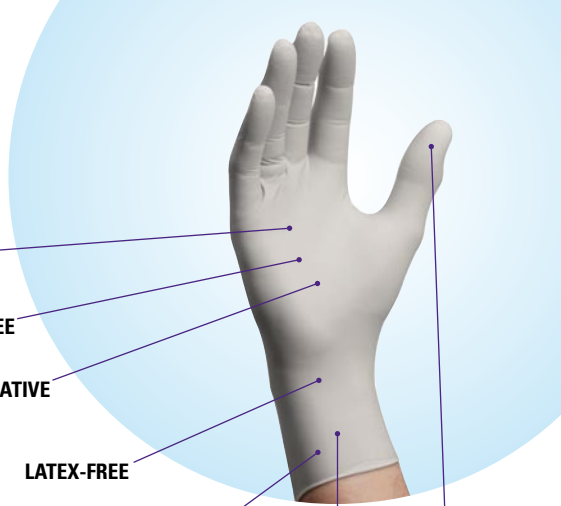
LEVEL 2

EN374-1:2003



0120





## KIMTECH PURE\* G3 STERLING\* Nitrile Gloves

### Product Specifications

- Synthetic nitrile<sup>1</sup> polymer (Acrylonitrile Butadiene)
- Contains no natural rubber latex. Silicone-free

### Quality Standards



- This is a PPE Category III product classified by EC Council Directive 89/686/EEC. It is tested in accordance with the EN Norms EN420:2003
- Cleanroom packaged to meet the standard of ISO Class 3 Cleanroom
- Meets or exceeds AQL level of 1.5 for pinholes
- Manufactured in accordance with Quality System ISO 9001

<sup>1</sup>Nitrile is a synthetic material exhibiting many of the properties of natural rubber latex while offering other distinct advantages: comfortable fit, resistance to puncturing and abrasion without compromising dexterity or electrostatic dissipative properties.

### PHYSICAL PROPERTIES (Target values)

Characteristics	Value	Test Method
Freedom from holes	1.5AQL <sup>1</sup>	ASTM D 5151 and EN374-2
<small><sup>1</sup> AQL as defined per ISO 2859-1 for sampling by attributes</small>		
<b>Tensile Properties</b>	<b>Tensile Strength</b>	<b>Ultimate Elongation</b>
- Before Aging	42 MPa, nominal	650% nominal
- After Accelerated Aging	38 MPa, nominal	550% nominal
ASTM D 412 and ASTM D 573		
<b>Dimensional</b>	<b>Measured Point</b>	<b>mm</b>
- Nominal Thickness	Middle Finger	0.10
	Palm	0.08
	Cuff	0.07
ASTM D 3767 and D 6319		
<b>Palm Widths</b>		
- Nominal Width (mm)	X-Small    Small    Medium    Large    Large plus    X-Large	
	74        84        96        111        116        123	ASTM D 3767 and D 6319

### KIMTECH PURE\* G3 STERLING\* Nitrile Gloves

Size and Code	30cm
	6x 
XS <b>99234</b>	250x  = 1500
S <b>99235</b>	
M <b>99236</b>	
L <b>99237</b>	
L+ <b>99238</b>	
XL <b>99239</b>	

### CLEANLINESS CHARACTERISTICS

Parameter	Limit	Test Method
<b>Particles</b>		
Per cm <sup>2</sup> ≥ 0.5 micron	1200	IENT-RP-CC005
<b>Extractables</b>	µg/g    µg/cm <sup>2</sup>	IENT-RP-CC005
Sodium (Na+)	10    0.07	
Ammonium (NH <sub>4</sub> <sup>+</sup> )	5    0.03	
Potassium (K+)	5    0.03	
Magnesium (Mg <sup>2+</sup> )	5    0.03	
Calcium (Ca <sup>2+</sup> )	45   0.30	
Chloride (Cl <sup>-</sup> )	35   0.23	
Nitrate (NO <sub>3</sub> <sup>-</sup> )	20   0.14	
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	10   0.07	
Zinc (Zn <sup>2+</sup> )	25   0.17	

### INFORMATION SERVICE

For technical enquiries please email [infofax@kcc.com](mailto:infofax@kcc.com)  
For sales enquiries please email [kimtech.support@kcc.com](mailto:kimtech.support@kcc.com)

[www.kcprofessional.com](http://www.kcprofessional.com)

Visit our website and discover a brand new concept in  
cleanroom: the CONTAMINOMICS\* Programme –  
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