

Technical Paper

## Sterile Surgical Gloves

Specifications  
ENG-1-SG-27

**SteriMed**

## SteriMed Sterile Surgical Gloves

SteriMed Sterile Surgical Gloves are anatomically designed to provide maximum comfort and grip, while reducing hand fatigue to the user. The extractable NR latex proteins content is kept to the minimum thereby reduce skin allergic reactions. In addition, the gloves contain moderate dusting powder level, which facilitates swift removal of powder prior to surgical procedures.

- High Strength Natural Rubber Latex
- Low Modulus
- Maximum Comfort and Protection
- Micro roughened, non-slip surface for excellent grip
- Softer latex reduces hand fatigue and stronger latex reduces glove tearing
- Conform to ASTM D3577 and EN 455 Specifications
- Hypoallergenic minimizing potential allergic risks
- Sterilized by Gamma Irradiation
- Fitting beaded cuff
- Puncture-resistant design



## Technical Specifications

Type	Sterile, Powdered and Powderfree Surgical Gloves
Material	Natural Rubber Latex
Color	Whitish to Natural
Design & Feature	Anatomical Design, Left and Right, Curved Fingers & beaded cuff
Size Available	Sizes 5 ½ - 9 (In ½ size increments)
Quality Certification	MS ISO 9002, ISO 9002/EN46002, TGA
Quality Specification	ASTM D3577, EN455 (Part 1 & 2)
US FDA Status	Class 1 Medical Device

**Table 1. Dimension**

GLOVE SIZE	5 ½	6	6 ½	7	7 ½	8	8 ½	9
<b>Overall Length (mm)</b>	275-300	275-300	275-300	275-300	275-300	275-300	275-300	275-300
<b>Width (mm)</b>	72-75	78-82	83-87	88-92	94-98	100-105	108-112	112-116
<b>Thickness (mm)</b>	0.15-17	0.15-17	0.15-17	0.15-17	0.15-17	0.15-17	0.15-17	0.15-17
<b>Cuff</b>								
<b>Palm</b>	0.20-24	0.20-24	0.20-24	0.20-24	0.20-24	0.20-24	0.20-24	0.20-24
<b>Finger</b>	0.23-28	0.23-28	0.23-28	0.23-28	0.23-28	0.23-28	0.23-28	0.23-28

**Table 2. Performance**

	Related Defect	Inspection Level	AQL
<b>Freedom from Holes</b>	Holes	G1	1.5
<b>Dimension</b>	Width, Length, Thickness	S2	4.0
<b>Physical Properties</b>	As Per Standard Required	S2	4.0
<b>Powder Amount (max)</b>	Exceeds maximum limit	N=5	120mg/glove
<b>Powder Residue (max)</b>	Exceeds maximum limit	N=5	2mg/glove
<b>Extractable Protein (max)</b>			
<b>Powdered</b>	Exceeds maximum limit	N=5	200µg/g
<b>Powder-Free</b>	Exceeds maximum limit	N=5	50µg/g

**Table 3. Physical Properties (ASTM D3577 and EN455 (Part 1 & 2) Compliant)**

Physical Properties	Tensile Strength (MPa)	Stress @ 500% elong (max) (Mpa)	Elongation at Break (%)	Force at Break (N)
<b>Unaged</b>	21.0	3.5	Min 800	Min 25.0
<b>Aged 7D@70 °C</b>	19.0	-	Min 750	Min 22.0

**Packing:** 1 pair/ envelope \* 50 pairs/box  
8 boxes/ carton (400 pairs/carton)

**Packing Dimensions:** Envelope (mm): 161W x 291H  
Box (mm): 205L x 165W x 295H  
Export Carton (mm): 410L x 330W x 590H

**Typical Size Breakdown:** Size S 30%  
Size M 50%  
Size L 20%

Also available in our range of **SteriMed** Glove products:

- Powdered Latex Examination Gloves
- Powder-free Latex Examination Gloves
- Nitrile Examination Gloves
- Powder-free Poly Chloroprene Gloves
- Heavy Duty Household Gloves

For further enquiries, please contact us at:

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