



**PRODUCT SPECIFICATIONS FOR
CLASS 100 CLEANROOM WHITE NITRILE SEMICONDUCTOR GLOVES
4.5MIL – EC**

Material: 100% Acrylonitrile Butadiene Rubber Latex without plasticizers, esters and filler.
Description: Powder Free, Ambidextrous, Beaded Cuff, Finger Textured
Available Colour: White

Standards of Conformance:

Product conforms to the following test standards

IENT-RP-CC005 Gloves and Finger Cots used in Cleanrooms and Other Controlled Environments
ASTM D6319 Standard Specification for Nitrile Examination Gloves
ASTM D412 Tensile properties of Vulcanized Rubbers
ASTM D573 Accelerated Aging for Latex (at 70°C for 166+2hr)
ASTM D5151 Standard Test for Detection of Holes in Medical Gloves
ASTM D6124 Standard Test Method for Residual Powder on Medical Gloves
ISO 2859 – 1 Sampling Procedures and Tables for Inspection by Attributes

Performance Requirements					
Characteristic	Inspection Level			AQL	
Watertight Test	S4			1.5	
Visual Test	S4			Major 2.5 Minor 4.0	
Physical Dimension	S2			AQL 4.0	
Physical Properties	S2			AQL 4.0	
Particulate Residue	N = 5			≤ 2 mg/glove	
Physical Dimensions					
SIZE	Extra-Small	Small	Medium	Large	Extra-Large
Palm Width ±4mm	76	86	98	107	115
Glove Length (mm)	Minimum 280				
Thickness ± 0.02mm					
Palm (center of palm)	0.11				
Finger (13±3mm from tip)	0.15				
Physical Properties					
Test	Before Aging			After Aging	
Tensile Strength	Minimum 14.0MPa			Minimum 14.0MPa	
Elongation	Minimum 400%			Minimum 400%	
Cleanliness Specification					
Liquid particle Count (LPC) Particle Size ≥ 0.5µm	< 1500 count/cm ²				
Fluoride	< 0.01 µg/cm ²				
Chloride	< 0.3 µg/cm ²				
Bromide	< 0.05 µg/cm ²				
Sulphate	< 0.3 µg/cm ²				
Nitrate	< 0.5 µg/cm ²				
Phosphate	< 0.01 µg/cm ²				