

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

Material: NBR Latex, without plasticizers, contain no, phthalate esters, contain no silicone oil, contain no amide and contain no filler.

Description: Glove Powder –Free, Nitrile White, Ambidextrous Shape, Beaded Cuff, Fingertips Textured

Standards of Conformance:

Product conforms to the following test standards

IENT–RP–CC005.3 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					
Cuff (25mm from cuff edge)	0.08				
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 (Ref: IEST-RP-CC005.3)					
Particulate Data (0.5 – 20µm)	< 1200count/cm ²				
Chloride	< 0.3 µg/cm ²				
Sulphate	< 0.3 µg/cm ²				
Nitrate	< 0.5 µg/cm ²				
Non Volatile Residue	< 4 µg/cm ²				
Electrical Properties					
Resistivity	1 x 10 ⁵ to 1 x 10 ¹⁰ ohms/square at 50% humidity				