

NITRILE

CLEANROOM GLOVES

KGM Gloves is proud to be partners with you in reducing contamination risks associated with your cleanroom processing activities. We understand the importance of cleanliness and the risks and costs associated with contamination. Our cleanroom gloves are designed for maximum performance that minimises the overall risk.

KGM Gloves is pleased to announce its Cleanroom range of gloves which is available in as a 9" (240mm) / 10.6" (270mm) and 12" (295mm).

KEY FEATURES

CHEMICAL & VIRUS PROTECTIVE
LOW SURFACE RESISTIVITY
EXCELLENT STATIC DECAY
LOW IONIC COUNT
LOW LPC COUNT
SILICONE FREE
ESD FUNCTION
NON STERILE
LATEX FREE
SINGLE USE

AVAILABLE SIZES

XS 5-6	S 6-7	M 7-8	L 8-9	XL 9-10
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PRODUCT TYPES

Disposable Powder Free Nitrile Gloves, Non-Sterile made available in Class-10, Class-100, Class-1000 & Class-10,000

PRODUCT DESCRIPTION

Material : Acrylonitrile Butadiene Copolymer Latex
 Features : Ambidextrous / Finger Tip Textured / Single-Use / Non-Sterile
 Length : Available in 9" or 240mm / 10.6" or 270mm and 12" or 295mm
 Colors : Translucent White (**WH**) / Transparent White (**TF**) / Bright White (**SW**)
 Weight : 4.5g / 5.0g / 5.5g / 6.2g / 8.0g

DEVICE SPECIFICATION REFERENCE

- 4.5g, 12" / 295mm; available in Translucent White (45WH)
- 5.0g, 9" / 240mm; available in Translucent White (50WH) & Transparent White (50TF)
- 5.5g, 10.6" / 270mm; available in Translucent White (55WH)
- 6.2g, 12" / 295mm; available in Translucent White (62WH) & Transparent White (62TF)
- 8.0g, 12" / 295mm; available in Bright White (80SW)
**please refer to individual product specification information is available at www.kgmgloves.com*

RECOMMENDED FOR

- **MEDICAL COMPOUNDING**
- **PHARMACEUTICAL USE**
- **CHEMICAL HANDLING IN LABORATORIES**
- **FOOD PROCESSING CLEANROOMS**
- **ELECTRONIC CLEANROOMS**
- **WAFER ASSEMBLY LINE**
- **HARD DISK ASSEMBLY**
- **SEMICONDUCTOR INDUSTRIES**

COMPLIANCE

- **COMPLIANT TO PPE REGULATION (EU)2016/425**
- **IENT BENCHMARK TESTING METHODS**
- **MANUFACTURED IN A ISO 9001 & ISO 13485 CERTIFIED FACILITY**



EU Type Examination carried out by CENTEXBEL, Belgium (CE 0493)
 Module D Conformity Assessment carried out by SGS Fimko OY, Finland (CE 0598)



DISPOSABLE NITRILE CLEANROOM GLOVES TECHNICAL DATA SHEET

Parameter	Class 10	Class 100	Class 1000	Class 10,000
Test Method	IEST			
LPC	max 600 particles/cm ²	max 1200 particles/cm ²	max 2500 particles/cm ²	max 4000 particles/cm ²
Chloride, Cl ⁻	max 0.4ug/cm ²	max 0.6ug/cm ²	max 1.5ug/cm ²	max 3.0ug/cm ²
Nitrate, NO ₃ ⁻	max 0.3ug/cm ²	max 0.5ug/cm ²	max 2.0ug/cm ²	max 3.0ug/cm ²
Sulphate, SO ₄ ²⁻	max 0.1ug/cm ²	max 0.2ug/cm ²	max 1.0ug/cm ²	max 3.0ug/cm ²
Fluoride, F ⁻	max 0.05ug/cm ²	max 0.05ug/cm ²	max 0.05ug/cm ²	N/A
Bromide, Br	max 0.05ug/cm ²	max 0.05ug/cm ²	max 0.05ug/cm ²	N/A
Nitrite, NO ₂ ⁻	max 0.05ug/cm ²	max 0.05ug/cm ²	max 0.05ug/cm ²	N/A
Calcium, Ca ²	max 0.5ug/cm ²	max 0.8ug/cm ²	max 1.5ug/cm ²	N/A
Sodium, Na	max 0.2ug/cm ²	max 0.3ug/cm ²	max 0.5ug/cm ²	N/A
TNVR (solvent)	Absent	Absent	Absent	Absent

OTHER PARAMETERS

Parameter	Class 10	Class 100	Class 1000	Class 10,000
Test Method	IEST			
Silicone, Amide, DOP by FTir	Absent	Absent	Absent	Absent
Surface Resistivity	max 5x10E11 Ohms/square	max 5x10E11 Ohms/square	max 5x10E11 Ohms/square	max 5x10E11 Ohms/square
Tribo Charge	max 50 Volts	max 50 Volts	max 50 Volts	max 50 Volts
Static Decay	max 2 seconds	max 2 seconds	max 2 seconds	max 2 seconds

PERFORMANCE EVALUATION

Chemicals	ISO 374-1 / Type B Permeation Resistance	Breakthrough Time in min	EN 374-4 Degradation in %
J: Heptane	Level 6	>480	47.7
K: Sodium Hydroxide 40%	Level 6	>480	-25.6
T: Formaldehyde 37%	Level 6	>480	2.1

PINHOLE

Cleanroom Class	CLASS 100	CLASS 1000	CLASS 10,000
Pinhole Acceptance Criteria	AQL 1.5	AQL 1.5	AQL 1.5

AVAILABLE COLOR

- Translucent White
- Transparent White
- Bright White

PACKING INFORMATION

- 100 pieces of gloves in double 'sealed' bags
- 10bags/liner/carton

STORAGE CONDITION

Recommended to store at a cool and dry place with temperature below 30°C

SHELF LIFE

3 Years

GLOVE FINISHING

Code	Finishing Type	Available in
ST	Standard	<i>Available in all the aforementioned gloves</i>
HT	High Tacky	
NT	Non Tacky	
SL	Slippery	

PHYSICAL PROPERTIES

	Standard	Before Ageing	After Ageing
Force at Break (N)	EN 455-2	min. 6N	min. 6N
Tensile Strength (Mpa)	ASTM D6319	min.14	min.14
Elongation (%)	ASTM D6319	500	400

OTHER PARAMETERS

Criteria	Inspection Level / AQL	Standard
Pinholes	G1 / AQL 1.5	
Major Visual	G1 / AQL 2.5	

HARMONIZED STANDARDS

ASTM D6319, ASTM D6124, EN455 1-4, EN420:2003 + A1:2009, EN 1186, EN 374 1-5, EN 16523-1
 ISO 10993- 1:2018;5:2009; 10:2013, ISO 15223-1:2016, ISO 1041:2008 + A1:2013, ISO 16604:2004,
 ISO 3071:2020, ISO 13485:2016, ISO 9001:2015, FDA 21 CFR 177.2600

Contact us for ordering or more information



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