



art & science of
amazing protection



Data Sheet

CLEANROOM NITRILE



**POWDER FREE
DISPOSABLE GLOVES**

Controlled level of contamination

Fifty pairs packed in an ISO Class 5/Class 100 environment, double vacuumed bagged in clean room compatible packaging and then packed into a lined shipper carton.

Low extractable particulate level

Processed in a controlled powder-free environment, the gloves' extractables and particle counts are kept exceptionally low for excellent protection of handled product.

Superior comfort and natural fit

The soft and strong glove with flexible polymer formulation allows for an improved user fit for longer term wearing comfort.

Ambidextrous

Fits either hand conveniently without needing to determine left or right for simpler donning.

100% Nitrile

Nitrile powder-free with no plasticizers, silicone or pigments.

Excellent grip

Well suited for electrically sensitive applications requiring superior grip.

Application

ASAP Nitrile gloves are recommended to be used in industries for:

- Handling sensitive parts and materials in healthcare & microelectronic industries
- Barrier protection against harmful chemicals and infectious fluid
- Protection from bodily fluids such as blood or mucus.

Industry icons:



Cleanroom Facilities



Research & Development (R&D)



Examination & Surgery (E&S)

Regulations

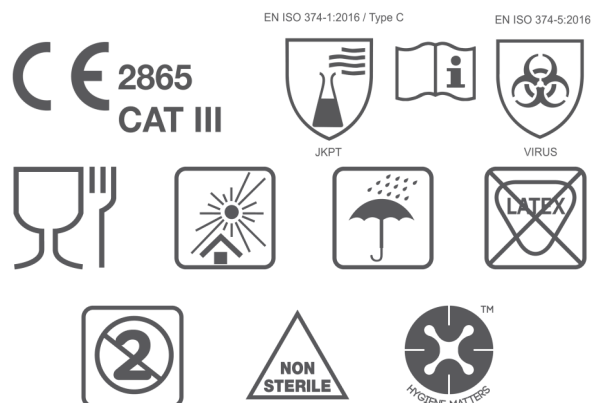
- PPE Regulation (EU) 2016/425
- Food contact Regulation (EU) 1935/2004

Harmonised Standards

- | | |
|---------------------|-------------------------|
| • EN ISO 21420:2020 | • EN 374-1:2016+A1:2018 |
| • EN 455-1:2020 | • EN 374-4:2019 |
| • EN 455-2:2015 | • EN 374-5:2016 |
| | • EN 1149-5 |

Quality Assurance

- ISO 9001:2015
- ISO 13485:2016
- ISO 14001:2015



Physical Properties Sheet: Product Information

Series Number	20170-5
Acceptable Quality Level (AQL)	1.5
Packaging	50 pairs per double vacuum bag, 10 double vacuum bags per carton

Packaging Dimensions

Inner	110 x 140mm
Carton	304 x 300 x 240mm



Product Size Codes

Extra Small	Small	Medium	Large	Extra Large	Extra Extra Large
XS 6	S 7	M 8	L 9	XL 10	XXL 11
20171-5	20172-5	20173-5	20174-5	20175-5	20176-5

Physical Properties Specification: Dimension Specification

	Particular		Specification	Test Method
Dimension	Palm Width	Extra Small	73—82mm	EN 455-2 & ASTM D6319
		Small	83—92mm	
		Medium	93—102mm	
		Large	103—112mm	
		Extra Large	113mm—122mm	
		Extra Extra Large	123mm—132mm	
	Length		Min 295mm	
	Thickness (Single Wall)	Cuff (25mm from bead)	Min 0.06mm	
Palm (centre of palm)		Min 0.09mm		
Finger (13mm from tip)		Min 0.14mm		
Physical Properties	Force at Break (N)	Before Aging	Min 6.0N Median >10N	EN 455-2:
		After Aging	Min 6.0N Median >10N	
	Tensile Strength (MPa)	Before Aging	Min. 14 MPa	ASTM D6319
		After Aging (at 70 ± 2°C for 7 days)	Min. 14 MPa	
	Elongation (%)	Before Aging	Min. 500%	ASTM D6319
		After Aging (at 70 ± 2°C for 7 days)	Min. 400%	
Physical Appearance	Rolled beaded cuff White colour Finger textured surface Ambidextrous			

Cleanliness Properties

Clean Room Compatibility	Class 100, ISO Class 5
Sterility	Non-Sterile

Particles	Typical Particle Count	Test Method
$\geq 0.5\mu\text{m}$ (counts/cm ²)	<1,500	IENT-RP-CC005.4

Extractable Ion	Typical Value (ug/cm ²)	Test Method
Fluoride (F ⁻)	< 0.010	IENT-RP-CC005.4
Chloride (Cl ⁻)	< 0.600	
Bromide (Br ⁻)	< 0.050	
Nitrate (NO ₃ ⁻)	< 1.200	
Phosphate (PO ₄ ³⁻)	< 0.050	
Sulphate (SO ₄ ²⁻)	< 0.100	
Lithium (Li ⁺)	< 0.001	
Sodium (Na ⁺)	< 0.100	
Ammonium (NH ₄ ⁺)	< 0.100	
Potassium (K ⁺)	< 0.100	
Magnesium (Mg ²⁺)	< 0.010	
Calcium (Ca ²⁺)	< 0.600	

FTIR analysis	Silicone	ND
	Amide	ND
	Phthalates	ND

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