



art & science of  
amazing protection



Data Sheet

STERILE  
CLEANROOM  
NITRILE



POWDER FREE  
DISPOSABLE GLOVES



## Features

STERILE  
CLEANROOM  
**NITRILE**  
POWDER FREE  
DISPOSABLE GLOVES

### Controlled level of contamination

Pair packed in an ISO Class 5/Class 100 environment, Easy Peel pouches packed into LDPE inners and then packed into a lined shipper carton.

### Sterility

Triple DI washed and sterilised via EN ISO 11137 GAMMA Irradiation for an unrivalled clean end 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. Longer cuff allows for wearing over the cuffs of Clean Room Coveralls. Suitable for double donning.

### Ambidextrous

Fits either hand conveniently without needing to determine left or right for easier 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 Sterile Clean Room Nitrile gloves are recommended to be used in industries for:

- Static safe for handling sensitive parts and materials in microelectronic industries
- Barrier protection against harmful chemicals and infectious fluids
- 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 420:2003+A1:2009
- EN ISO 21420:2020
- EN 455-1:2020
- EN 455-2:2015
- EN 374-1:2016+A1:2018
- EN 374-4:2019
- EN 374-5:2016
- EN 1149-5

### Quality Assurance

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



### Physical Properties Sheet: Product Information

<b>Series Number</b>	20170S-5
<b>Acceptable Quality Level (AQL)</b>	1.5, EN 455-1
<b>Packaging</b>	1 pair/Pouch, 50 pairs in LDPE inner, 4 inners per carton.

### Packaging Dimensions

<b>Pair Pouch</b>	145 x 285mm
<b>LDPE inner</b>	330 x 432 mm
<b>Carton</b>	300 x 300 x 250mm



### Product Size Codes

Extra Small	Small	Medium	Large	Extra Large	Extra Extra Large
XS 5	S 6	M 7	L 8	XL 9	XXL 10
20171S-5	20172S-5	20173S-5	20174S-5	20175S-5	20176S-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	EN 455-2	
	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	<ul style="list-style-type: none"> <li>• Rolled beaded cuff</li> <li>• Finger textured surface</li> </ul>		<ul style="list-style-type: none"> <li>• White colour</li> <li>• Ambidextrous</li> </ul>	

## Cleanliness Properties

<b>Clean Room Compatibility</b>	Class 100, ISO Class 5
<b>Sterilisation method</b>	EN ISO 11137-1 Sterilisation of Health Care Products GAMMA Irradiation, Min 25.0 kGy, Max 45.0 kGy
<b>Sterility Assurance Level (SAL)</b>	10 <sup>-6</sup> ,

Particles	Typical Particle Count	Test Method
≥ 0.5µm (counts/cm <sup>2</sup> )	<1,200	IEST-RP-CC005.4, 16.1, 16.2,

Parameters	Acceptable Limit	Test Method
<b>Ionic Content (ug/cm<sup>2</sup>)</b>		
• Fluoride (F <sup>-</sup> )	< 0.030	IEST-RP-CC005, 17.1, 17.2, 17.3
• Chloride (Cl <sup>-</sup> )	< 1.200	
• Bromide (Br <sup>-</sup> )	< 0.050	
• Nitrate (NO <sub>3</sub> <sup>-</sup> )	< 1.000	
• Phosphate (PO <sub>4</sub> <sup>3-</sup> )	< 0.800	
• Sulphate (SO <sub>4</sub> <sup>2-</sup> )	< 0.800	
• Sodium (Na <sup>+</sup> )	< 0.050	
• Magnesium (Mg <sup>2+</sup> )	< 0.010	
• Potassium (K <sup>+</sup> )	< 0.100	
<b>Non-Volatile Residue (ug/cm<sup>2</sup>)</b>	<10.00	IEST-RP-CC005, 17.1, 17.2,
<b>Silicone</b>	N/D	IEST-RP-CC005, 17.1, 17.2, 17.4
<b>Amide</b>	N/D	
<b>Diocetyl phthalate (DOP)</b>	N/D	

### ASAP INTERNATIONAL SDN BHD

No. 1, Jalan Sitar 33/6, Seksyen 33,  
40400 Shah Alam, Selangor,  
Malaysia.

T : +603 5191 0166

E : info@whyasap.com

W : www.whyasap.com

### ASAP INNOVATIONS LTD

Unit 7, Fonthill Business Park, The  
Courtyard, Fonthill Rd, Ballyowen,  
Dublin, D22 XA07, Ireland

T : +353 1 4661660

E : info@whyasap.ie

W : www.whyasap.ie

### ASAP INNOVATIONS UK LTD

13, Diamond Court, Opal Drive,  
Fox Milne, Milton Keynes,  
MK15 0DU, United Kingdom

T : +44 (0)1908 909146

E : info@whyasap.co.uk

W : www.whyasap.co.uk