



# Isofield NS400

## 400mm (16") Non-sterile nitrile Cleanroom gloves

Last updated 04 Jun 2025

PRODUCT CODE	REF	SMALL	20340S	
	20340	MEDIUM	20340M	
		LARGE	20340L	
		XLARGE	20340XL	
		XXLARGE	20340XXL	

### PRODUCT INFO

Non-sterile nitrile Cleanroom gloves  
 400mm (16") elbow length  
 Ambidextrous  
 White colour  
 Textured palm & fingers  
 Beaded cuff  
 Low endotoxin levels  
 Tested against a range of chemotherapy drugs  
 Food Safe. Complies limits established under Regulation (EU) No 10/2011

### CLEANROOM COMPATIBILITY

ISO Class 4 cleanroom  
 ISO Class 5 cleanroom  
 Class 10 cleanroom  
 Class 100 cleanroom

### QUALITY ASSURANCE

Manufactured in a facility operating under ISO 9001:2015 quality management system  
 Processed in a NEBB certified ISO Class 5 cleanroom  
 Physical properties comply with European medical glove standard EN 455-2:2015

### APPLICATIONS

Handling of components before and after washing  
 Transportation and loading of vials  
 Preparation of ointments and creams before filling

### STORAGE & SHELF LIFE

Store in a dry, cool place (<40°C) away from direct sunlight  
 Do not expose open cartons to prolonged direct fluorescent light  
 Five (5) years from date of manufacture

### PACKAGING

100 gloves per sealed inner PE bag,  
 1 inner PE bag per sealed outer PE bag,  
 10 outer bags per lined carton (1000 pieces)

## PHYSICAL PROPERTIES

THICKNESS, SINGLE WALL	MM*	MILS	TEST METHOD
Finger tip	0.17	6.69	EN 455-2:2015
Palm	0.11	4.33	EN 455-2:2015
Cuff	0.09	3.54	EN 455-2:2015

\* +/- 0.02mm

LENGTH	MIN	TYPICAL	TEST METHOD
From tip of middle finger to edge of cuff	390mm	400mm	EN 21420:2020

STRENGTH PROPERTIES	FORCE AT BREAK	TEST METHOD
Throughout shelf life	≥ 6.0 N	EN 455-2:2015

FREEDOM FROM HOLES	PERFORMANCE	TEST METHOD
Acceptable Quality Level (AQL)	1.5 - Level 2 of 3	EN 374-2:2016

## CLEANLINESS PROPERTIES

PARTICLES	TYPICAL PARTICLE COUNT	TEST METHOD
≥ 0.5µm (counts/cm <sup>2</sup> )	< 1800	IEST-RP-CC005.4

EXTRACTABLES (ION)	TYPICAL VALUE (µg/cm <sup>2</sup> )	TEST METHOD
Fluoride (F)	ND	IEST-RP-CC005.4
Chloride (Cl)	0.031	IEST-RP-CC005.4
Bromide (Br)	ND	IEST-RP-CC005.4
Nitrate (NO <sub>3</sub> )	0.500	IEST-RP-CC005.4
Phosphate (PO <sub>4</sub> )	0.062	IEST-RP-CC005.4
Sulphate (SO <sub>4</sub> )	0.012	IEST-RP-CC005.4
Sodium (Na)	0.050	IEST-RP-CC005.4
Ammonium (NH <sub>4</sub> )	0.020	IEST-RP-CC005.4
Potassium (K)	0.064	IEST-RP-CC005.4
Calcium (Ca)	0.432	IEST-RP-CC005.4
Magnesium (Mg)	ND	IEST-RP-CC005.4
Zinc (Zn)	ND	IEST-RP-CC005.4

\* ND = Not Detected

## PERMEATION TEST AGAINST CHEMO DRUGS

CHEMOTHERAPY DRUGS	BREAKTHROUGH TIME	TEST METHOD
Carmustine	66 min	ASTM D6978-05
Cisplatin	> 240 min	ASTM D6978-05
Cyclophosphamide	> 240 min	ASTM D6978-05
Doxorubicin HCl	> 240 min	ASTM D6978-05
Etoposide	> 240 min	ASTM D6978-05
Fluorouracil	> 240 min	ASTM D6978-05
Methotrexate	> 240 min	ASTM D6978-05
Paclitaxel	> 240 min	ASTM D6978-05
Thiotepa	117 min	ASTM D6978-05

## TECHNICAL PROPERTIES

NORM	TEST REFERENCE	EXPLANATION
Chemical innocuousness	EN ISO 21420:2020	Ensures the gloves do not adversely affect the health of the user. The materials present in the gloves must not release substances that are toxic
Sizing & dexterity	EN ISO 21420:2020 and EN ISO 374-2:2019	Determines sizing compliance and glove dexterity
Air leak & water leak	EN ISO 374-2:2019	Assesses the resistance of the glove to penetration
Chemical degradation	EN ISO 374-4:2019	Determines the resistance to degradation by dangerous chemicals
Chemical permeation	EN 16523-1:2015+A1:2018	Determines the resistance of protective glove materials to permeation by potentially hazardous non-gaseous chemicals
Viral penetration	EN 16604:2004	Assesses the resistance of glove materials to penetration by blood-borne pathogens
Endotoxin test	EN 455-3, USP	Specifies requirements for the evaluation of biological safety for gloves
Permeation based on Chemotherapy Drugs	ASTM D6978-05 (2019)	Assesses the resistance of glove materials to permeation by potentially hazardous chemotherapy drugs
EU type certificate	EN ISO 374-1:2016+A1:2018 Type B EN ISO 374-5:2016 EN ISO 374-4:2019	The applicable essential health and safety requirements of Annex II of the PPE Regulation (EU) 2016/425 as a Category III product
UKCA type certificate	EN ISO 374-1:2016+A1:2018 Type B EN ISO 374-5:2016 EN ISO 374-4:2019	The applicable essential health and safety requirements of PPE Regulation (2016/425) as brought into UK law and amended as a Category III product

## LOADING

	EURO-PALLET	STANDARD PALLET
Pallet size	W80 L120cm	W100 L120cm
Gross weight	11.3 - 14.9kg	11.3 - 14.9kg
Carton size	W28 L43 H31cm	W28 L43 H31cm
Nett weight	9.3 - 12.9kg	9.3 - 12.9kg
Air freight pallet	Max height: 139cm Layers: 4 Cartons: 24	Max height: 139cm Layers: 4 Cartons: 32
Sea freight pallet	Max height: 170cm Layers: 5 Cartons: 30	Max height: 170cm Layers: 5 Cartons: 40

## DOCUMENTATION



CERTIFICATE OF CONFORMANCE (COC)  
CERTIFICATE OF ANALYSIS (COA)

View [sample](#) of COC & COA



DECLARATION OF  
CONFORMITY (DOC)

[Download](#)



FACTORY RELATED CERTIFICATIONS

To request ISO9001 Certificate,  
please [email us](#)

Country of origin: **Malaysia**  
HS Code: 4015199000

*This data sheet and any other claims made by or on behalf of Isofield shall not be taken as a warranty of merchantability or as a statement that any Isofield products are suitable for a specific purpose. Isofield shall not be held responsible for the end user's choice of product for a particular application.*



### EUROPE

ISOFIELD (IRELAND) LTD  
70 Northumberland Road, Ballsbridge Dublin 4,  
Ireland T +44 (0) 1638 6762 39

### ASIA

ISOFIELD SDN BHD  
6 Jalan Gudang 16/9, Seksyen 16, 40200, Shah Alam,  
Selangor, Malaysia, T +603 5512 1709

### CONTACT

[www.isofield.com](http://www.isofield.com)  
[info@isofield.com](mailto:info@isofield.com)