Isofield®
Protecting Life Science



# Isofield Gecko

## 300mm (12”) Non-Sterile Nitrile Cleanroom Gloves

Last updated **20 Oct 2026**

| PRODUCT CODE | REF | | |
|---|---|---|---|
| | 20830 | XSMALL | 20830 XS |
| | | SMALL | 20830 S |
| | | MEDIUM | 20830 M |
| | | LARGE | 20830 L |
| | | XLARGE | 20830 XL |
| | | 2XLARGE | 20830 2XL |

CE 2797 | 40°C | EN ISO 374-5:2016 VIRUS | EN ISO 21420:2020 | EN ISO 374-1:2016+A1:2018 TYPE B KPT | LATEX | EAC TP TC 019/2011 | UK CA 0086 | AQL 1.5

## PRODUCT INFO

Non-sterile nitrile Cleanroom gloves
300mm (12”)
Ambidextrous
Neon green colour
Textured fingers
Beaded cuff
Low endotoxin levels
Food Safe. Complies with limits established under regulation (EU) No 10/2011
Accelerator-free
Tested against a range of chemotherapy drugs

## 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

Material weighing and dispensing in Grade C cleanrooms

Equipment setup and assembly in Grade D preparation zones

Environmental monitoring sample handling

Component bagging and transfer between controlled areas

Wafer inspection and packaging operations

PCB assembly and conformal coating work

## 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 pieces per inner bag,
1 inner bag per outer bag,
10 outer bags per carton (1000 pieces)

*Packaging Materials*

**Inner Bag:**
Low Density Polyethylene (LDPE)

**Outer Bag & Carton Liner:**
Low Density Polyethylene (LDPE)

## PHYSICAL PROPERTIES

| THICKNESS, SINGLE WALL | MM* | MILS | TEST METHOD |
|---|---|---|---|
| Finger tip | 0.16 | 6.30 | EN 455-2:2015 |
| Palm | 0.14 | 5.51 | 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 | 290mm | 300mm | EN ISO 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 3 of 3 | EN 374-2:2016 |

## CLEANLINESS PROPERTIES

| PARTICLES | TYPICAL PARTICLE COUNT | TEST METHOD |
|---|---|---|
| ≥ 0.5µm (counts/cm$^2$) | < 900 | IEST-RP-CC005.4 |

| EXTRACTABLES (ION) | TYPICAL VALUE (µg/cm$^2$) | TEST METHOD |
|---|---|---|
| Fluoride (F) | ND | IEST-RP-CC005.4 |
| Chloride (Cl) | 0.110 | IEST-RP-CC005.4 |
| Bromide (Br) | ND | IEST-RP-CC005.4 |
| Nitrate ($NO_3$) | 0.318 | IEST-RP-CC005.4 |
| Phosphate ($PO_4$) | ND | IEST-RP-CC005.4 |
| Sulphate ($SO_4$) | 0.021 | IEST-RP-CC005.4 |
| Sodium (Na) | 0.006 | IEST-RP-CC005.4 |
| Ammonium ($NH_4$) | 0.014 | IEST-RP-CC005.4 |
| Potassium (K) | 0.034 | IEST-RP-CC005.4 |
| Calcium (Ca) | 0.522 | 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 (MINS) | TEST METHOD |
|---|---|---|
| Carmustine | 48 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 | 108 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 |

## LOADING

| | EURO-PALLET | STANDARD PALLET |
|---|---|---|
| Pallet size | W80 L120cm | W100 L120cm |
| Gross weight (S-XL) | 6.99 - 9.40kg | 6.99 - 9.40kg |
| Carton size | W28 L32 H30cm | W28 L32 H30cm |
| Nett weight (S-XL) | 6.02- 8.43kg | 6.02- 8.43kg |
| Air freight pallet | Max height: 135cm<br>Layers: 4<br>Cartons: 32 | Max height: 135cm<br>Layers: 4<br>Cartons: 48 |
| Sea freight pallet | Max height: 165cm<br>Layers: 5<br>Cartons: 40 | Max height: 165cm<br>Layers: 5<br>Cartons: 60 |

## DOCUMENTATION

**CERTIFICATE OF CONFORMANCE (COC)**
**CERTIFICATE OF ANALYSIS (COA)**
**CERTIFICATE OF PROCESSING (COP)**

View sample of COC, COA, COP

**DECLARATION OF CONFORMITY (DOC)**

Download

**FACTORY RELATED CERTIFICATIONS**

To request ISO9001 Certificate, please email us




Made in 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**
Charter House, 5 Pembroke Row, Dublin 2
Dublin, D02 FW61, Ireland

**ASIA**

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

**CONTACT**

www.isofield.com
enquiries@isofield.com