

Technical Data Sheet

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PRODUCT

- K60.1/1-ICP

PRODUCT CERTIFICATION CODE

- 8PF2-2

DPTL CODE

- IPF624G07E1

PRODUCT DESCRIPTION

- Powder Free Nitrile Disposable ICP Glove

FEATURES AND BENEFITS

- 100% Nitrile with no plasticizers.
- Free of Natural rubber latex, thereby reducing the potential risk of type I allergies.
- Powder Free glove thus, particulate residue per glove is very much less than 2mg/glove.
- Beaded cuff provides strength and facilitate easier donning. Textured fingertip enhances wet and dry grip.
- Food contact approved, suitable for handling all types of food. Tested and verified for virus protection.
- Chlorinated further residual chemicals on the surface to ensure the safety of the wearer minimize contamination, cleaner and smooth feel.

APPLICATIONS

- Patient Examination
- Laboratory Work
- Chemical Industry
- Pharmaceutical Manufacture
- Food Processing
- Light Assembly
- Precision Packaging
- Life Sciences
- Machinery and Equipment
- Automotive
- Agriculture
- Utilities
- Warehousing

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PRODUCT INFORMATION

| | | |
|-----------------------------------|---|---|
| Product Description | : | Powder Free Nitrile Disposable ICP Glove |
| Elastomer | : | NBR |
| Type | : | Non Sterile |
| Colour | : | Green/Purple/Black/Blue |
| Surface | : | Finger Textured |
| Finish | : | Online Chlorinated |
| Cuff | : | Beaded |
| Available Sizes | : | XS/S/M/L/XL/XXL |
| Manufacturing/QMS Audit Standards | : | ISO 9001:2016 & ISO 13485:2016 |
| Standards & Certification | : | PPE Regulation (EU) 2016/425, EN ISO 374-1:2016+A1:2018/Type B, EN ISO 374-5:2016, EN ISO 21420:2020, Approved for contact with all type of food in accordance with Regulation (EC) No 1935/2004, EU 10/2011. ASTM D 6978-05(2019)-Gastric acid and Fentanyl. |
| Packing | : | 100 gloves per dispenser & 10 dispensers per carton |
| Storage | : | Keep out of direct sunlight: and store in a cool and dry place. Keep away From source of ozone of ignition. |
| Shelf Life | : | Three (3) years from the date of manufacture (Test Method: EN 455-4) |

PHYSICAL PROPERTIES

| | Value | | Test Method |
|--------------------------------|--|----------------------------|---|
| Free from Holes | G1 Inspection Level AQL 1.5-Single EU AQL 2.5-Single US (Industrial) AQL 4.0-Single US (Industrial) | | EN ISO 374-2:2019, EN 455-1:2020+A1:2022, ASTM D6319-19, ASTM D5151-19, Sample Plan ISO 2859-1:1999 |
| Visual Inspection (Major) | G1 Inspection Level AQL 2.5 | | Sample Plan ISO 2859-1:1999 |
| Visual Inspection (Minor) | G1 Inspection Level AQL 4.0 | | Sample Plan ISO 2859-1:1999 |
| Powder Content (mg) | < 2 | | ASTM D6124-06(2022), EN 455-3:2015 |
| Physical Dimension | S-2 Inspection Level AQL 4.0 | | Sample Plan ISO 2859-1:1999 |
| Length (mm) | 240 (min) | | ASTM D3767-03(2020), ASTM D6319-19, EN 455-2:2015 |
| Thickness (mm/mil) Single wall | Palm | 0.13 ± 0.02(mm) 5.2 mil | ASTM D3767-03(2020), ASTM D6319-19 |
| Physical Property | S-2 Inspection Level AQL 4.0 | | Sample Plan ISO 2859-1:1999 |
| | Before Aging | After Aging | |
| Tensile Strength (MPa) | ≥ 14.0 | ≥ 14.0 | ASTM D412-16(2021), ASTM D573-04(2019) & ASTM D6319-19 |
| Elongation at Break % | ≥ 500 | ≥ 400 | ASTM D412-16(2021), ASTM D573-04(2019) & ASTM D6319-19 |
| Force at Break (N) | ≥ 6.0 | ≥ 6.0 | EN 455-2:2015 |

| Size Palm Width (±5mm) | XS | S | M | L | XL | XXL | Tests methods |
|---------------------------|----|----|----|-----|-----|-----|--------------------------------------|
| | 77 | 85 | 95 | 108 | 114 | 127 | ASTM D6319-19 ASTM D3767-03(2020) |

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PERFORMANCE STANDARDS

EN ISO 374-1:2016+A1:2018/TYPE B



JKPT

EN ISO 374-5:2016



VIRUS



CE 2777

Tested for wider range of chemicals including all 18 chemicals in the EN 16523 and some aggressive chemicals such as 70% Perchloric Acid and 14% Sodium Hypochlorite to facilitate to select the right glove for their application. Enhanced chemical resistance provides maximum protection for high-risk applications.

ICP glove has better resistance to Hydrogen Peroxide 30% & Hydrofluoric Acid 40% than competitor product.

This glove has similar performance to competitor product with Cyclohexane 100%, Ethanol 70%, Isopropanol 99% and shows better performance with n-Heptane 100%

ICP glove achieve Level 6 with Citric Acid 30%, Ethidium Bromide 1%, Formaldehyde 37%, Hydrochloric Acid 37%, Sodium Hydroxide 40% and aggressive chemicals like Perchloric Acid 70% and Sodium Hypochlorite 14%.

Competitor product & ICP gloves are achieve level 0 with Diethyl Amine 100%, Acetic Acid 99%, Ethyl Acetate 100%, Nitric Acid 65%. Thus, it is not suitable for handling mentioned chemicals.

ICP glove achieve Level 6 with Citric Acid 30%, Ethidium Bromide 1%, Formaldehyde 37%, Hydrochloric Acid 37%, Sodium Hydroxide 40% and aggressive chemicals like Perchloric Acid 70% and Sodium Hypochlorite 14%

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| Chemical | Concentration% | Competitor-1 | Competitor-2 | DPTL-ICP |
|-----------------------|----------------|--------------|--------------|----------|
| Citric Acid | 30% | Level 6 | NA | Level 6 |
| Diethyl amine (G) | 100% | Level 0 | Level 0 | Level 0 |
| Ethidium Bromide | 1% | Level 6 | Level 6 | Level 6 |
| Hydrogen Peroxide (P) | 30% | Level 6 | Level 2 | Level 4 |
| Perchloric Acid | 70% | Level 6 | NA | Level 6 |
| Sodium Hypochlorite | 14% | Level 6 | NA | Level 6 |
| Acetic Acid (N) | 99% | Level 0 | Level 0 | Level 0 |
| Cyclohexane | 100% | Level 3 | >480 | Level 3 |
| Ethanol | 70% | Level 2 | Level 1 | Level 2 |
| Ethyl Acetate (I) | 100% | Level 0 | Level 0 | Level 0 |
| Formaldehyde (T) | 37% | Level 6 | Level 6 | Level 6 |
| Hydrochloric Acid | 30% | Level 6 | Level 6 | Level 6 |
| Isopropanol | 99% | Level 2 | Level 3 | Level 2 |
| Nitric Acid (M) | 65% | Level 0 | Level 0 | Level 0 |
| Sodium Hydroxide (K) | 40% | Level 6 | Level 6 | Level 6 |
| n-Heptane (J) | 100% | Level 3 | Level 6 | Level 4 |
| Sulphuric Acid (L) | 96% | Level 1 | Level 0 | Level 1 |
| Hydrofluoric Acid (S) | 40% | NA | Level 0 | Level 1 |

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