



light to scan test samples and observe chemical properties. Made-in-Malaysia cleanroom gloves are FTIR tested to ensure that they are free from particles, residues, films or fibers that can affect product quality, safety or function.

### LPC

Liquid Particle Counting (LPC) is used to measure the size and distribution of particles in a liquid or on solid samples. Our cleanroom gloves go through the LPC test to determine low airborne and liquid-borne particle contamination, acting as an effective barrier against human hand contamination.

### IC

The ion chromatograph (IC) test is intended to identify and quantify the total amount of inorganic ions (positive and negative) present on the glove surface. Our gloves are IC tested to ensure low extractable levels to minimize ion contamination.

### NVR

The nonvolatile residues (NVR) is a test which examined contamination on the surface of glove. Made-in-Malaysia cleanroom gloves are NVR tested to determine low nonvolatile residues so that product quality is not affected.

## International Standards

**Our cleanroom gloves are competitively priced and manufactured to meet international standards** such as ASTM D3578 (for natural rubber) and ASTM D6319 (for nitrile). The gloves are suitable for use in Class 10, Class 100 or Class 1000 cleanroom environments, as may be required (ISO Class 4 and above).

Our cleanroom gloves also have good electrostatic discharge (ESD) properties that will protect your products and equipment from damage or degradation caused by contamination and electrostatic charges.



## Sourcing of Quality Made-in-Malaysia Cleanroom Gloves?

Please visit [www.mrepc.com/marketplace](http://www.mrepc.com/marketplace) for list of Malaysian manufacturers and contact details.

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**MADE IN MALAYSIA**  
**CLEANROOM GLOVES**  
Protecting You and Your Products



**Cleanroom gloves** are designed for use in ultra clean environments in various industries, including microelectronics, semiconductors, pharmaceuticals and biotechnology.

In areas where it is critical to ensure that contamination is minimized and the traces of chemically extractable particles are kept to a minimum, these gloves play a critical role.

They protect the operator as well as the products they handle during packaging and in the manufacturing process, as well as in laboratories and testing rooms.

## Made-in-Malaysia Cleanroom Gloves for Reliability and Assured Quality

### Established Reputation

**Malaysia is the world's largest exporter of rubber gloves.** Made-in-Malaysia gloves of natural rubber as well as nitrile are exported to more than 195 countries worldwide.

### A Wide Range of Choices

**Made-in-Malaysia cleanroom gloves are available in various materials, specifications and finishings** to meet your requirements and preferences.

The gloves, whether made from natural rubber or nitrile, can be manufactured to various lengths, weights, sizes and colours, sterile or non-sterile, to suit your needs. For example, our cleanroom gloves are available in cuff lengths from 230mm to 600mm to cater for different needs and industry sectors.

You can choose smooth gloves or textured finishing which allows for enhanced grip. The gloves are also available in beaded, or bead-less cuffs to improve gown grip and prevent roll down.

### Modern Manufacturing Processes and Facilities

**Made-in-Malaysia cleanroom gloves are high quality products** manufactured using state of the art processes, designed to provide minimum contamination, maximum operational efficiency and improved user comfort.

Our cleanroom gloves are processed with high resistivity deionized (DI) water to further reduce residual contaminants after chlorination. In this process, excess particulates, extractable ions, and nonvolatile residues are removed. The gloves are then dried, tested and packaged to ensure a particle count that is compatible with the cleanroom environment where they will be used.

Manufacturing processes are conducted in National Environmental Balancing Bureau (NEBB) certified cleanrooms and are carried out by well-trained operators adhering to clean protocols. All manufacturing processes are certified in accordance to ISO 9001 management system standards.

### Pre-Shipment Testing

**Made-in-Malaysia cleanroom gloves** are set through several pre-shipment tests to evaluate and specify the cleanliness of the gloves to be used in controlled environments. These include tests for particulates and extractable residues, as well as organic and inorganic materials, as follows:

#### FTIR

The Fourier Transform Infrared Spectroscopy (FTIR) is an analytical technique used to identify organic, polymeric, and in some cases, inorganic materials. The FTIR analysis method uses infrared

