



## ANSELL SERVICES: LAB TESTING CAPABILITIES

2024

### INTRODUCTION: ANSELL SERVICES LABORATORY TESTING

At Ansell, we understand the importance of getting access to the right testing facilities for your materials. As a global safety company, Ansell has the experience, expertise, equipment and testing capabilities to conduct standardized and bespoke testing. Our experienced team offers you confidentiality and transparent turnaround times, ensuring you get the testing results you need from a trusted, global source.

#### WHY ANSELL TESTING?



**20+ labs and a global presence - offering testing across continents**

- > All tests are performed according to internationally recognized standards, such as ISO, American (ASTM), European (EN, BS) or Chinese (GB)
- > Ansell has multiple labs with ISO/IEC 17025:2017 accreditation and ILAC MRA (Mutual Recognition Arrangement) status



**Accredited for dozens of test methods**

- > Accredited labs have been audited to an international standard based on demonstrated competence in performing the test in question
- > Tests included in this brochure are accredited unless otherwise noted



**Customized testing**

- > We understand each situation is unique - which is why we offer bespoke and custom testing to suit your specific needs
- > Our R&D teams are always looking for new, differentiated testing capabilities to add to our catalogue.
- > Email us at [anselltesting@ansell.com](mailto:anselltesting@ansell.com) for more information or to submit a request.



**Sustainable operations**

Our lab in Cyberjaya, Malaysia is certified Green (highest level) to the My Green Lab Certification, considered the gold standard in lab sustainability



### CHEMICAL TESTING

Measure the chemical permeation, penetration and degradation data of materials with our industry-leading range of chemical testing capabilities



#### Permeation

- Standardized chemical permeation of liquids
- Cumulative permeation

#### Penetration

- Repellency, absorbance and resistance to penetration of liquid chemicals
- Penetration under pressure

#### Degradation

- Resistance to degradation by chemicals

## MECHANICAL & PHYSICAL TESTING

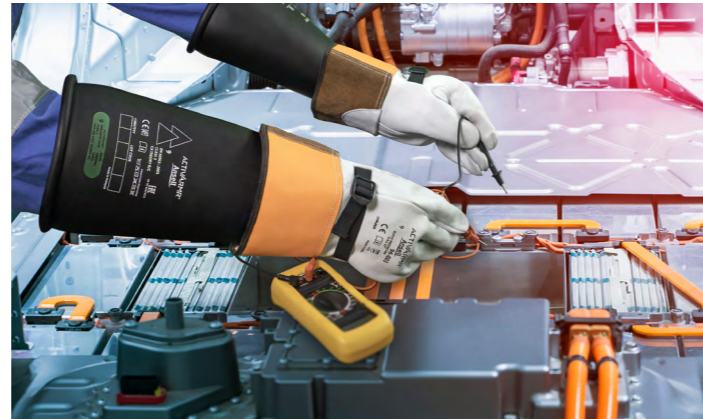
Examine and evaluate material properties under various conditions, ensuring strength and quality



- Tensile properties
- Abrasion resistance
- Tear resistance
- Flex resistance
- Cut resistance
- Impact protection
- Puncture resistance
- Seam strength

## ELECTRICAL TESTING

Understand and evaluate the electrical properties of RIGs gloves and other PPE



- **Electrostatic properties of PPE**
  - Surface resistivity
  - Vertical (aka volume) resistivity
- **Integrity of Rubber Insulated Gloves (RIGs)\*\***

## EXPANDED TESTING CAPABILITIES

Discover our comprehensive range of testing capabilities, spanning a variety of categories



### Whole suit testing

- Standardized (Type 3/4/5/6 in body protection)
- Radioactive particles

### Flame resistance testing

...and other tests, including...

- Water vapour transmission rate
- Hydrostatic pressure
- pH
- Contact heat\*
- Laundering

## MICROBIOLOGY TESTING

Leverage biological, biochemical and chemical methods to detect and quantify microorganisms



- **Protection against infective agents**
  - Resistance to penetration by synthetic blood
  - Resistance to wet bacterial, viruses and dry microbial penetration
  - Resistance to penetration by bacteriophage
  - Resistance to penetration by biologically contaminated aerosols
- Bioburden
- Aerobic and anaerobic biodegradability\*
- Sterility

## MATERIAL ANALYSIS & CHARACTERIZATION

Understand materials' structure at the microscopic level using a variety of analytical methods



- Optical microscopy\*
- Fourier Transform Infrared Spectroscopy (FTIR)\*
- Scanning Electron Microscopy (SEM) - Surface Morphology by SEM Imaging\*
- Energy Dispersive X-Ray Spectroscopy (SEM-EDX) - Elemental analysis\*



### Looking for a test that's not listed here?

Ansell provides additional testing and custom tests to meet your specific needs. We're always looking to expand our differentiated and accredited testing capabilities, so an extended testing list is on the horizon. Email us at [anselltesting@ansell.com](mailto:anselltesting@ansell.com) for more information or to submit a request.

## ABOUT ANSELL

**Ansell (ASX: ANN)** is a global leader in safety solutions and an integrated manufacturer of personal protection equipment for healthcare and industrial workplaces. Each day, over 10 million workers in more than 100 countries trust their safety to Ansell brands such as **HyFlex®**, **Ringers®**, **MICROFLEX®**, **TouchNTuff®**, **GAMMEX®**, and **AlphaTec®**. Driven by a vision to lead the world to a safer future, the company continuously pursues new product and service innovations that predict, prevent, and protect against workplace risk while promoting sustainable sourcing and manufacturing. Information on Ansell can be found at [www.ansell.com](http://www.ansell.com). [#AnsellProtects](https://twitter.com/AnsellProtects)



Visit us at [ansell.com/lab-testing](http://ansell.com/lab-testing)

\* Not accredited  
\*\* Not available in NA & LAC