

Hand Protection- Introduction of Chemical Resistant Gloves

What's the  News?

There is no "One Glove Fits ALL" chemical handling solution.

Why is there no such thing as a universal glove?

It is due to the materials' characteristics needed for protection against chemical substances are different as chemicals vary considerably.

But we are here to provide the solution! Hereby we introduce **Best® Glove**, the world's most innovative & leading designer, developer and marketer of hand protection for over a century.

Who is Best® Glove?



With U.S. headquarters in Menlo, Georgia, and manufacturing and sales operations in the United States, Canada, Central and South America, Europe, Africa, Asia and the Pacific Rim, **Best® Glove** offers a great variety of glove choices for use primarily in the industrial, construction, automotive, healthcare, retail and commercial fishing industries.

Customers can enjoy best-in-class technology, a comprehensive hand protection portfolio, extensive channel coverage, and global production facilities- all offered by a team that is committed to the world's highest quality hand protection and customer service.

AM SALES & MARKETING SDN BHD is the authorized sole distributor for **Best® Glove** in Malaysia.

What is the standard for chemical resistant glove?

EN 374 standard (section 1, 2 and 3) specifies the requirements of gloves that protect against chemicals and/or micro-organism. It states two requirement levels symbolized by two distinct pictograms:



What are the testing methods used for chemical resistant glove?

Permeation testing

Standard method to conduct permeation testing is in accordance with **METHOD ASTM F739** standards. Permeation means a chemical's molecules penetration through the outer material of the glove, it is the process where a chemical passes through the glove's material on a molecular level.

Degradation testing

Degradation is rated according to the change in integrity following chemical exposure. The rate of degradation depends on which chemical the glove has come in contact with.

Which type of chemical resistant glove should I use?

Best® Glove dedicated a web portal www.chemrest.com, which contains all information one needs to select the most applicable and protective chemical resistant glove for multiple hazardous applications.

There are 5 major category of **Best® Glove's** chemical resistant gloves based on the gloves' materials: Natural Latex, PVC, Butyl & Viton, Nitrile, and Neoprene.



Material	Advantage	Limitation
Natural Latex	<ul style="list-style-type: none"> ✓ Most elastic, flexible and soft. ✓ Excellent protection from physical hazards ✓ Good resistance to numerous aqueous chemicals such as caustics 	- Avoid contact with oils grease and hydrocarbon derivative.
PVC	<ul style="list-style-type: none"> ✓ Economical material. ✓ Provide chemical resistance to acids & base. ✓ No natural rubber protein. 	- Very limited chemical resistance.
Butyl	<ul style="list-style-type: none"> ✓ Provide excellent chemical resistance to gas and ketone 	- Severely affected by exposure to fuels and aliphatic and aromatic hydrocarbon solvent.
Viton	<ul style="list-style-type: none"> ✓ Provide excellent chemical resistance to fuels used in aerospace industry. ✓ May works with extremely hazardous chemicals such as carcinogenic or highly toxic chemicals 	- Weaker mechanical resistance
Nitrile	<ul style="list-style-type: none"> ✓ Excellent resistance to abrasion, snags and perforation. ✓ Provide chemical resistance to petrochemicals (especially fuels), oil, grease, pesticides and other agricultural chemicals. ✓ Provide excellent dexterity. 	- Avoid contact with ketones, oxidizing acids and organic compounds containing nitrogen.

Material	Advantage	Limitation
Neoprene	<ul style="list-style-type: none"> ✓ Provide excellent protection from many organics and inorganic acids. ✓ Provide excellent protection to certain aliphatic solvents and ketone. ✓ Perform well when exposed to sunlight and ozone. 	- Weaker mechanical resistance than latex and nitrile.

[CLICK HERE](#) to view more **Best® Glove** products that we have ex-stock or download the PDF catalog [HERE](#) now!

For further consultation on the selection of chemical resistance gloves, you may enquiry at info@amsales.com.my or contact at 012-2031220 (Ms Tina—Safety Specialist).



"The Preferred Industrial Solutions Provider"

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