

Interpreting Chemical Resistance of a Glove

Chemical / Solvent Resistance – High *

means as a general rule, this glove can be used in applications where...

Chemical / Solvent Resistance – Moderate *

means as a general rule, this glove can be used in applications where...

Chemicals, or combinations of pure chemicals are a common hazard in the industrial workplace. OSHA Standards require that in general industrial settings, appropriate hand protection must be worn when hands are exposed to hazards such as skin absorption of harmful substances or chemicals.

More specifically, employers are responsible for evaluating and choosing the best hand protection for their employees relative to the tasks to be performed, the conditions present, the duration of use, and the potential hazards identified.

Because different glove materials resist different chemicals, no one glove is suited for all chemical exposures. A glove that is well suited for one application may not be right for another. And no glove is completely impervious to a specific chemical forever.

As safety experts, it's our job to help you match the right glove material with each application or task you do and assess for chemical hazards. During an RSA – RONCO SAFETY ASSESSMENT, our team of product specialists will work with you to assess your MSDS – Material Safety Data Sheets – and select a dexterous glove that is most resistant to the chemicals you use, based on material, thickness, length and other criteria, such as:

- Potential absorption through the glove material – Including finishings and linings
- Breakthrough time – the time it takes a chemical to go from glove surface to inside the glove
- Potential effects on skin –
- Degradation of the glove material – even the best glove breaks down over time
- Permeation rate of the chemical through the material -
- Length of exposure to the chemical -
- Type of contact with the chemical – intermittent or continual contact, or complete immersion
- Concentration of the chemical
- Temperature of the chemical
- Other hazards such as cut or abrasion on the job

RONCO is a world-class manufacturer of personal protective equipment (PPE) specifically designed for the ultimate comfort, durability and value in workplace applications that require:



NOTE: Gloves are never a substitute for safe work practices or proper engineering controls. This document is meant for general information purposes and should not be construed as a guide for glove selection. Call a RONCO representative to discuss specific safety hazards prior to selecting the appropriate personal protective equipment.

To view our chemical resistance chart by material, [click here](#).