



Chemical Resistance Guide

comparing Nitrile and Latex gloves



General Comparisons on Glove Materials	Nitrile Gloves (synthetic rubber)	Latex Gloves (natural rubber)
Cut Resistance	Excellent	Excellent
Tear Resistance	Good	Excellent
Puncture Resistance	Excellent	Good
Abrasion Resistance	Excellent	Good
Flexibility / Stretching	Good	Excellent
Heat Resistance	Excellent	Good
Automotive Chemicals	Excellent	Poor
Painting & Refinishing Chemicals	Excellent	Poor

Specific Product Resistance (A-G)	Nitrile Gloves (synthetic rubber)	Latex Gloves (natural rubber)
Acetaldehyde	Fair	Excellent
Acetic AcidE	Good	Excellent
Acetone	Poor	Excellent
Aircraft Stripper	Good	Poor
Ammonium Hydroxide	Excellent	Excellent
Amyl Acetate	Fair	Poor
Aniline	Fair	Good
Antifreeze (methanol-based)	Excellent	Excellent
Asphalt	Excellent	Poor
Benzylic Alcohol	Excellent	Fair
Bleach	Excellent	Excellent
Boric Acid	Excellent	Excellent
Brake Cleaner	Excellent	Poor
Brake Cleaner (non-chlorinated)	Poor	Poor
Brake Fluid	Excellent	Fair
Butyl Acetate	Fair	Poor
Carbon Tetrachloride	Good	Poor
Carburetor Cleaner	Poor	Poor
Chloracetone	Poor	Excellent
Chromic Acid 50%	Fair	Poor
Citric Acid 10%	Excellent	Excellent
Cresote	Excellent	Fair
Cutting Oil	Excellent	Poor
Cyclohexane	Excellent	Poor
Diesel Fuel	Excellent	Poor
Diesel Fuel Additive	Good	Poor
Diethanolamine	Excellent	Excellent
Diethyl Ether	Excellent	Fair
Diocetyl Phtalate (DOP)	Good	Fair
Engine Cleaner & Degreaser	Good	Poor
Epoxy Primer	Poor	Poor
Ethyl Acetate	Poor	Good
Ethyl Alcohol (Ethanol)	Excellent	Excellent
Ethylene Glycol	Excellent	Excellent
Fluorides	Excellent	Excellent
Formaldehyde 37% (Formalin)	Excellent	Excellent
Freon 11, 12	Good	Poor
Freon 21, 22	Poor	Poor
Fuel Injector Cleaner	Good	Poor
Fuel Oil	Excellent	Poor
Gasoline	Excellent	Poor

Specific Product Resistance (G-X)	Nitrile Gloves (synthetic rubber)	Latex Gloves (natural rubber)
Grease, Automotive (Petroleum-based)	Excellent	Poor
Grease, Automotive (Silicon-based)	Good	Good
Grease, Automotive (Synthetic)	Good	Poor
Hexane	Excellent	Poor
Hydraulic Fluid	Excellent	Poor
Hydrochloric Acid 30%	Excellent	Fair
Hydrofluoric Acid 30%	Excellent	Good
Hydrogen Peroxide	Excellent	Good
Kerosene	Excellent	Poor
Ketones	Poor	Good
Lacquers	Poor	Poor
Lacquer Thinners	Poor	Poor
Methyl Alcohol (Methanol)	Excellent	Excellent
Methyl Ethyl Ketone (MEK)	Poor	Fair
Methyl Formate	Fair	Fair
Mineral Oils	Excellent	Poor
Motor Oil	Excellent	Poor
Naphtha	Excellent	Poor
Naphthalene	Good	Poor
Nitric Acid 20%	Fair	Good
Nitrobenzene	Fair	Poor
Oleic Acid	Excellent	Fair
Paint (latex-based)	Fair	Poor
Paint (oil-based)	Good	Poor
Paint (automotive)	Fair	Poor
Paint Activator (automotive)	Fair	Poor
Paint Thinner	Poor	Poor
Parts Wash (automotive)	Good	Poor
Perchloroethylene	Good	Poor
Petroleum Distillates (naphthas)	Good	Poor
Phosphoric Acid	Excellent	Excellent
Photo Developer Fixer	Excellent	Excellent
Potassium Hydroxide 50% KOH	Fair	Excellent
Propylene Dichloride	Fair	Poor
Rust Inhibitors (automotive)	Excellent	Excellent
Rust Remover (<50% phosphoric acid)	Good	Good
Silicates	Excellent	Excellent
Sodium Hydroxide 50% NaOH	Fair	Excellent
Sodium Hypochlorite	Excellent	Excellent
Stearic Acid	Good	Good
Sulfuric Acid (Concentrated)	Poor	Poor
Sulfuric Acid (Diluted)	Excellent	Excellent
Tetrahydrofuran (THF)	Poor	Fair
Toluene (Toluol)	Fair	Poor
Transmission Fluid (type A)	Excellent	Poor
Transmission Fluid (synthetic)	Good	Poor
Trinitrobenzene	Good	Poor
Turpentine	Excellent	Poor
Wax Remover (automotive)	Poor	Poor
Weed Killer	Excellent	Excellent
Wood Preservatives	Excellent	Poor
Xylene	Good	Poor

Disclaimer: The information provided in this chart is for reference purpose only and is compiled from publicly available published information. The gloves have not been individually tested against the chemicals. Resistance levels may be affected by differences in handling, storage or usage.