



GloveNation

Chemical Resistance Chart

GENERAL INFORMATION ON GLOVE MATERIALS	LATEX GLOVES <i>(natural rubber)</i>	VINYL GLOVES <i>(pvc)</i>	NITRILE GLOVES <i>(synthetic rubber)</i>	VITRILE GLOVES <i>(vinyl + nitrile)</i>
Cut Resistance	✓ Excellent	Good	✓ Excellent	Good
Tear Resistance	✓ Excellent	Poor	Good	Poor
Puncture Resistance	Good	Poor	✓ Excellent	Poor
Abrasion Resistance	Good	Good	✓ Excellent	Good
Flexibility (Stretching)	✓ Excellent	Poor	Good	Poor
Heat Resistance	Good	Fair	✓ Excellent	Fair
Garden Chemicals	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Household Chemicals	Good	Good	Good	Good
Automotive Chemicals	Poor	Good	✓ Excellent	Good
Painting & Refinishing Chemicals	Poor	Good	✓ Excellent	Good
CHEMICAL RESISTANCE	LATEX GLOVES <i>(natural rubber)</i>	VINYL GLOVES <i>(pvc)</i>	NITRILE GLOVES <i>(synthetic rubber)</i>	VITRILE GLOVES <i>(vinyl + nitrile)</i>
Acetaldehyde	✓ Excellent	Poor	Fair	Poor
Acetic AcidE	✓ Excellent	Fair	Good	Fair
Acetone	✓ Excellent	Poor	Poor	Poor
Ammonium Hydroxide	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Amyl Acetate	Poor	Fair	Fair	Fair
Aniline	Good	Poor	Fair	Poor
Animal Fats	Fair	Poor	✓ Excellent	Poor
Asphalt	Poor	Poor	✓ Excellent	Poor
Benzyl Alcohol	Fair	✓ Excellent	✓ Excellent	✓ Excellent
Bleach	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Boric Acid	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Brake Fluid	Fair	Fair	✓ Excellent	Fair
Butyl Acetate	Poor	Fair	Fair	Fair
Carbon Tetrachloride	Poor	Fair	Good	Fair
Chloracetone	✓ Excellent	Poor	Poor	Poor
Chromic Acid 0.5	Poor	Good	Fair	Good
Citric Acid 0.1	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Cresote	Fair	✓ Excellent	✓ Excellent	✓ Excellent
Cutting Oil	Poor	✓ Excellent	✓ Excellent	✓ Excellent
Cyclohexane	Poor	Poor	✓ Excellent	Poor
Diesel Fuel	Poor	Poor	✓ Excellent	Poor
Diethanolamine	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Diethyl Ether	Fair	Fair	✓ Excellent	Fair
Diethyl Phtalate (DOP)	Fair	Poor	Good	Poor
Ethyl Acetate	Good	Poor	Poor	Poor
Ethyl Acohol (Ethanol)	✓ Excellent	Fair	✓ Excellent	Fair
Ethylene Glycol	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Fertilizers	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Fish – Shell Fish	Fair	Fair	✓ Excellent	Fair
Fluorides	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Formaldehyde 0.37 (Formalin)	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Fuel Oil	Poor	Fair	✓ Excellent	Fair
Gasoline	Poor	Fair	✓ Excellent	Fair
Hexane	Poor	Fair	✓ Excellent	Fair
Household Detergent	Good	Good	Good	Good
Hydraulic Fluid	✓ Excellent	Good	✓ Excellent	Good
Hydrochloric Acid 0.3	Fair	Good	✓ Excellent	Good
Hydrofluoric Acid 0.3	Good	Good	✓ Excellent	Good
Hydrogen Peroxide	Good	Poor	✓ Excellent	Poor
Kerosene	Poor	Fair	✓ Excellent	Fair
Linseed Oil	Poor	Good	✓ Excellent	Good
Methyl Alcohol (Methanol)	✓ Excellent	Good	✓ Excellent	Good
Methyl Ethyl Ketone (MEK)	Fair	Poor	Poor	Poor
Methyl Formate	Fair	Fair	Fair	Fair
Mineral Oils	Poor	Fair	✓ Excellent	Fair
Naphtha	Poor	Fair	✓ Excellent	Fair
Naphthalene	Poor	Fair	Good	Fair
Nitric Acid 0.2	Good	Fair	Fair	Fair
Nitrobenzene	Poor	Poor	Fair	Poor
Oleic Acid	Fair	Fair	✓ Excellent	Fair
Perchloroethylene	Poor	Poor	Good	Poor
Phosphoric Aci	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Photo Developer Fixer	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Pine Oil	Poor	Fair	✓ Excellent	Fair
Potassium Hydroxide 0.5 KOH	✓ Excellent	✓ Excellent	Fair	✓ Excellent
Poultry	Fair	Poor	✓ Excellent	Poor
Propylene Dichloride	Poor	Poor	Fair	Poor
Silicates	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Sodium Hydroxide 0.5 NaOH	✓ Excellent	Fair	Fair	Fair
Sodium Hypochlorite	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Stearic Acid	Good	Good	Good	Good
Sulfuric Acid (Concentrated)	Poor	Good	Poor	Good
Sulfuric Acid (Diluted)	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Tetrahydrofuran (THF)	Fair	Poor	Poor	Poor
Toluene (Toluol)	Poor	Fair	Fair	Fair
Trinitrobenzene	Poor	Fair	Good	Fair
Turpentine	Poor	Good	✓ Excellent	Good
Vegetable Oil	Poor	Fair	✓ Excellent	Fair
Weed Killer	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
Wood Preservatives	Poor	Fair	✓ Excellent	Fair
Xylene	Poor	Poor	Good	Poor