

Glove Chemical Guide

Chemical	Nitrile Gloves	Latex Gloves	Vinyl/ Synthetic Gloves
Acetaldehyde	Poor	Fair	Poor
Acetic Acid	Good	Good	Good
Acetone	Poor	Poor	Poor
Acetonitrile	Poor	Poor	Poor
Acrylic Acid	Good	Good	Fair
Acrylamide	Excellent	Excellent	-
Ammonia	Fair	Poor	-
Ammonium Fluoride	Excellent	Excellent	-
Ammonium Hydroxide	Excellent	Good	Good
Aniline	Poor	Poor	Fair
Benzaldehyde	Poor	Poor	Poor
Benzalkonium Chloride	-	Good	Good
Benzene	Poor	Poor	Poor
Boric Acid	Excellent	-	-
Carbon Disulfide	Poor	Poor	Poor
Carbon Tetrachloride	Fair	Poor	-
Chlorhexidin	Excellent	Excellent	Excellent
Chloroform	Poor	Poor	Poor
Chromic Acid	Excellent	Poor	-
Citric Acid	Excellent	Excellent	Excellent
Cyclohexane	Excellent	Poor	-
Cyclohexanol	Excellent	Good	Good
Cyclohexanone	Poor	Poor	Poor
Diacetone Alcohol	Good	Poor	Poor
Dichlormethane	Poor	Poor	Poor
Diethyl Ether	Poor	-	-
Diethyl Phthalate	-	Poor	Poor
Diesel Fuel	Good	Poor	Fair
Diethylamine	Poor	Poor	Poor
Dimethyl Sulfoxide (DMSO)	Poor	Poor	Poor
Dimethylformamide (DMF)	Poor	Poor	Poor
Ethanol	Poor	Poor	Poor
Ethanolamine	Excellent	Good	-
Ethidium bromide	Excellent	Excellent	Excellent
Ethyl Acetate	Poor	Poor	-
Ethyl Ether	Poor	Poor	Poor
Ethylene Glycol	Excellent	Excellent	Excellent
Formaldehyde 37%	Excellent	Poor	Poor
Formic Acid 90%	Good	Good	-
Furfural	Poor	Poor	-
Gasoline	Fair	Poor	Poor
Glacial Acetic Acid	Poor	Poor	Poor
Gluteraldehyde 5%	Excellent	Excellent	Good
Glycerol	Excellent	Excellent	Excellent
Heptane	Excellent	Poor	-
Hexane	Good	Poor	Poor
Hydrazine	Excellent	Good	Excellent
Hydrochloric Acid 30-70%	Good	Fair	-
Hydrochloric Acid <30%	Excellent	Excellent	-
Hydrofluoric Acid 48%	Good	Fair	-

Chemical	Nitrile Gloves	Latex Gloves	Vinyl/ Synthetic Gloves
Hydrogen Peroxide 30%	Excellent	Excellent	Excellent
Isopropyl Alcohol	Good	Fair	Fair
Kerosene	Excellent	Poor	Good
Jeffamine	-	Excellent	-
Lactic Acid	Excellent	Excellent	-
Lauric Acid 36%	Excellent	Poor	Poor
Linseed Oil	Poor	Poor	Poor
Maleic Acid	Excellent	-	-
Methanol	Poor	Poor	Poor
Methyl Ethyl Ketone	Poor	Poor	Poor
Methyl Isobutyl Ketone	Poor	Poor	Poor
Methyl Methacrylate	Poor	Poor	-
Methylamine	Excellent	Fair	-
Mineral Spirits	Excellent	Poor	-
Nitric Acid 10%	Excellent	Excellent	Excellent
Octanol	Excellent	-	-
Octyl Alcohol	Excellent	Good	-
Oleic Acid	Excellent	Fair	-
Palmitic Acid	Good	Poor	-
Pentane	Poor	Poor	Poor
Phenol	Poor	Poor	Poor
Phosphoric Acid 30%	Excellent	Excellent	Excellent
Picric Acid	-	Poor	-
Potassium Hydroxide 30%	Excellent	Excellent	Excellent
Propanol	Poor	Poor	-
Sodium Carbonate	-	Excellent	-
Sodium Chloride	Excellent	Excellent	-
Sodium Hydroxide 30%	Excellent	Excellent	Excellent
Sodium Hypochlorite	Excellent	Excellent	-
Sulfuric Acid 30%	Excellent	Excellent	Excellent
Sulfuric Acid 95%	Poor	Poor	Poor
Tannic Acid 65%	Excellent	Excellent	-
Tetrachloroethylene	Fair	Poor	Poor
Tetrahydrofuran	Poor	Poor	Poor
Toluene	Poor	Poor	Poor
Trichlorethane	Poor	Poor	Poor
Turpentine	Excellent	Poor	Poor
Xylene	Poor	Poor	Poor

Key:

Poor	=	Poor Chemical Resistance
Fair	=	Fair Chemical Resistance
Good	=	Good Chemical Resistance
Excellent	=	Excellent Chemical Resistance
-	=	No information available at present

Disclaimer:

This guide is for general information only and is intended to provide assistance in the selection of the most appropriate material for use with specific chemicals and applications. It will however not discharge the user from his duty of risk assessment and to make sure the chosen glove is fit for purpose. The information is based on published research data and cannot reflect all actual "in use" circumstances.