

# Chemical Resistance for Glove Materials

Chemical	Nitrile	Latex	Chemical	Nitrile	Latex
ACETALDEHYDE	POOR	GOOD	HYDROCHLORIC ACID, 30-70%	GOOD	GOOD
ACETIC ACID	GOOD	EXCELLENT	HYDROFLUORIC ACID, <50%	EXCELLENT	EXCELLENT
ACETIC ANHYDRIDE	FAIR	GOOD	IOSBUTYL ALCOHOL	EXCELLENT	POOR
ACETONE	FAIR	GOOD	ISOOCTANE	EXCELLENT	POOR
ACETONITRILE	FAIR	FAIR	ISOPROPYL ALCOHOL	EXCELLENT	EXCELLENT
AMMONIUM FLUORIDE, 30-70%	EXCELLENT	EXCELLENT	KEROSENE	EXCELLENT	POOR
AMMONIUM HYDROXIDE, <30%	EXCELLENT	EXCELLENT	LACTIC ACID	EXCELLENT	EXCELLENT
AMYL ALCOHOL	EXCELLENT	GOOD	METHANOL	FAIR	FAIR
ANILINE	FAIR	GOOD	METHYL ACETATE	POOR	POOR
AQUA REGIA	POOR	POOR	METHYL ETHYL KETONE	POOR	POOR
BENZALDEHYDE	POOR	POOR	METHYL ISOBUTYL KETONE	POOR	POOR
BENZENE	FAIR	POOR	METHYL METHACRYLATE	POOR	POOR
BORIC ACID	EXCELLENT	GOOD	METHYLENE CHLORIDE	POOR	POOR
BROMOPROPIONIC ACID	FAIR	GOOD	N-AMYL ACETATE	FAIR	POOR
BUTYL CELLUSOLVE	GOOD	GOOD	N-BUTYL ACETATE	FAIR	POOR
CARBON DISULFIDE	GOOD	POOR	N-METHYL-2-PYRROLIDONE	POOR	EXCELLENT
CARBON TETRACHLORIDE	POOR	POOR	N-PROPYL ALCOHOL	EXCELLENT	EXCELLENT
CHLOROBENZENE	POOR	POOR	NAPHTHA, <3% AROMATICS	EXCELLENT	POOR
CHLOROFORM	POOR	POOR	NAPHTHA, 15-20% AROMATICS	EXCELLENT	EXCELLENT
CHROMIC ACID	FAIR	POOR	NITRIC ACID, <30%	EXCELLENT	POOR
CISPLATIN	GOOD	GOOD	NITRIC ACID, 30-70%	POOR	POOR
CYCLOHEXANE	EXCELLENT	POOR	NITROBENZENE	FAIR	FAIR
CYCLOHEXANOL	EXCELLENT	GOOD	NITROETHANE	POOR	EXCELLENT
CYCLOHEXANONE	POOR	POOR	OCTANE	EXCELLENT	POOR
CYCLOHEXYLAMINE	POOR	POOR	OCTYL ALCOHOL	EXCELLENT	EXCELLENT
DI-N-AMYLAMINE	EXCELLENT	POOR	OLEIC ACID	EXCELLENT	GOOD
DI-BUTYLAMINE	EXCELLENT	POOR	PCB (POLYCHLORINATED BIPHENYLS)	GOOD	POOR
DI-N-BUTYL PHTHALATE	EXCELLENT	FAIR	PENTACHLOROPHENOL	GOOD	POOR
DI-N-OCTYL PHTHALATE	EXCELLENT	FAIR	PENTANE	EXCELLENT	POOR
DIACETONE ALCOHOL	GOOD	FAIR	PERCHLORIC ACID, 30-70%	EXCELLENT	FAIR
DICHLOROACETYL CHLORIDE	POOR	POOR	PERCHLOROETHYLENE	GOOD	POOR
DIESEL FUEL	EXCELLENT	POOR	PEROXYACETIC ACID	POOR	POOR
DIETHANOLAMINE	EXCELLENT	EXCELLENT	PETROLEUM ETHERS, 80-100C	GOOD	POOR
DIETHYLAMINE	GOOD	FAIR	PHENOL, >70%	GOOD	GOOD
DIETHYLENE GLYCOL	EXCELLENT	EXCELLENT	PHOSPHORIC ACID, >70%	EXCELLENT	GOOD
DIETHYLENETRIAMINE	POOR	POOR	PICRIC ACID	EXCELLENT	GOOD
DIISOBUTYL KETONE	GOOD	POOR	POTASSIUM HYDROXIDE	EXCELLENT	GOOD
DIISOBUTYLAMINE	EXCELLENT	POOR	POTASSIUM IODIDE	EXCELLENT	EXCELLENT
DIMETHYL ETHER	GOOD	POOR	PROPYL ACTETATE	FAIR	POOR
DIMETHYL SULFOXIDE (DMSO)	GOOD	EXCELLENT	PYRIDINE	POOR	POOR
DIMETHYLACETAMIDE	FAIR	GOOD	SILVER NITRATE	GOOD	EXCELLENT
DIMETHYLFORMAMIDE (DMF)	POOR	POOR	SODIUM CARBONATE	EXCELLENT	EXCELLENT
1,3-DIOXANE	POOR	FAIR	SODIUM CHLORIDE	EXCELLENT	EXCELLENT
1,4-DIOXANE	POOR	POOR	SODIUM FLUORIDE	EXCELLENT	EXCELLENT
ETHANOL	EXCELLENT	EXCELLENT	SODIUM HYDROXIDE, 30-70%	EXCELLENT	EXCELLENT
ETHYL ACETATE	POOR	FAIR	SODIUM HYPOCHLORITE	EXCELLENT	EXCELLENT
ETHYL ETHER	GOOD	POOR	SODIUM THIOSULFATE	EXCELLENT	EXCELLENT
ETHYLENE GLYCOL DIMETHYL ETHER	FAIR	FAIR	SULFURIC ACID, <30%	NO INFO	EXCELLENT
ETHYLENE DICHLORIDE	POOR	POOR	SULFURIC ACID, 30-70%	FAIR	EXCELLENT
ETHYLENE GLYCOL	EXCELLENT	EXCELLENT	SULFURIC ACID, >70%	POOR	POOR
FORMALDEHYDE, 30-70%	EXCELLENT	GOOD	TANNIC ACID	GOOD	GOOD
FORMIC ACID	GOOD	EXCELLENT	1,2,4,5-TETRACHLOROBENZENE	EXCELLENT	NO INFO
FREON 113 OR TF	EXCELLENT	POOR	1,1,1,2-TETRACHLOROETHANE	FAIR	POOR
FREON TMC	FAIR	FAIR	TETRAHYDROFURAN	FAIR	POOR
FURFURAL	POOR	POOR	TOLUENE	FAIR	POOR
GASOLINE, 40-50% AROMATICS	EXCELLENT	POOR	TOLUENE-2,4-DIISOCYANATE (TDI)	POOR	POOR
GLUTARALDEHYDE, <5%	GOOD	POOR	1,2,4-TRICHLOROBENZENE	FAIR	POOR
GLYCEROL	EXCELLENT	EXCELLENT	1,1,1-TRICHLOROETHANE	POOR	POOR
HEPTANES	EXCELLENT	POOR	1,1,2-TRICHLOROETHANE	POOR	POOR
HEXAMETHYLDISILOXANE	GOOD	POOR	TRICHLOROETHYLENE	POOR	POOR
HEXANE	EXCELLENT	POOR	TRICRESYL PHOSPHATE	GOOD	GOOD
HYDRAZINE	EXCELLENT	FAIR	TURPENTINE	EXCELLENT	POOR
HYDROCHLORIC ACID, <30%	GOOD	EXCELLENT	XYLENES	FAIR	POOR

Information is based on published research data. Test results may vary from brand to brand. Refer to manufacturer specifications for chemical barrier properties.