

CHEMICAL RESISTANCE GUIDE

This chemical resistance guide is provided as an aid in determining the general suitability for Neoprene, Nitrile, and PVC gloves.

We believe this information is the best currently available. ISS makes no guarantee of results and assumes no obligation or liability in correlation with this information. Test data herein reflects laboratory performance of partial gloves. A glove professional should be consulted to help evaluate other factors that influence resistance.

Key to Degradation Ratings

E - Excellent: Fluid has very little degrading effect.

G - Good: Fluid has minor degrading effect.

F - Fair: Fluid has moderate degrading effect.

P - Poor: Fluid has pronounced degrading effect.

NR - Not Rated for work with this chemical.

CHEMICAL HAZARDS	NEOPRENE	NITRILE	PVC	CHEMICAL HAZARDS	NEOPRENE	NITRILE	PVC
Acetaldehyde	E	F	NR	Hydrofluoric Acid 30%	E	E	G
Acetic acid (Conc.)	E	G	F	Hydrogen Peroxide	E	E	NR
Acetone	G	NR	NR	Kerosene	F	E	F
Ammonium Hydroxide (Conc.)	E	E	E	Methyl Alcohol (Methanol)	E	E	G
Amyl Acetate	NR	F	F	Methyl Ethyl Ketone (MEK)	P	NR	NR
Aniline	G	F	NR	Methyl Formate	E	F	F
Benzyl Alcohol	E	E	E	Mineral Oils	F	E	F
Bleach	E	E	E	Naphtha	F	E	F
Boric Acid	E	E	E	Naphthalene	F	G	F
Butyl Acetate	NR	F	F	Nitric Acid 20%	G	F	F
Carbon Tetrachloride	F	G	F	Nitrobenzene	F	F	NR
Chloracetone	E	NR	NR	Oleic Acid	E	E	F
Chromic Acid 50%	NR	F	G	Perchloroethylene	F	G	NR
Citric Acid 10%	E	E	E	Phosphoric Acid	E	E	E
Creosote	E	E	E	Potassium Hydroxide 50% KOH	E	F	E
Cyclohexane	F	E	NR	Propylene Dichloride	NR	F	NR
Diesel Fuel	F	E	NR	Silicates	E	E	E
Diethanolamine	E	E	E	Sodium Hydroxide 50% NaOH	E	F	F
Diethyl Ether	E	E	F	Sodium Hypochlorite	E	E	E
Dioctyl Phthalate (DOP)	G	G	NR	Stearic Acid	E	G	G
Ethyl Acetate	F	NR	NR	Sulfuric Acid (Conc.)	G	NR	G
Ethyl Alcohol (Ethanol)	E	E	F	Tetrahydrofuran (THF)	NR	NR	NR
Ethylene Glycol (Anti-freeze)	E	E	E	Toluene (Toluol)	NR	F	F
Formaldehyde 37% (Formalin)	E	E	E	Trichloroethylene	F	F	NR
Gasoline	G	E	F	Trinitrobenzene	F	G	F
Hexane	NR	E	F	Turpentine	F	E	G
Hydraulic Fluid	E	E	G	Weed Killer	E	E	E
Hydrochloric Acid 30%	E	E	G	Wood Preservative	F	E	F

PHYSICAL PERFORMANCE DATA

GLOVE TYPE	NEOPRENE COATED	LATEX COATED	PVC COATED	PVC TEXTURED	NITRILE COATED	NEOPRENE	NITRILE	LATEX	VINYL
Abrasion Resistance	F	F	P	P	P	G	E	E	F
Heat Resistance	E	F	F	F	E	E	E	F	P
Cut Resistance	E	E	G	G	E	G	F	G	P
Puncture Resistance	E	E	G	G	E	P	P	G	P
Tear Resistance	-	-	-	-	-	G	G	-	F
Ozone Resistance	E	G	E	G	G	E	G	G	E
Flexibility	G	G	F	G	E	E	E	G	E
Elongation	-	-	-	-	-	E	G	-	F
Grip	G	G	E	E	E	E	G	E	F

Key: E - excellent, G - good, F - fair, P - poor

COATED GLOVE QUICK REFERENCE GUIDE

GLOVE MATERIAL	TEMP. RANGE	PROTECTS AGAINST
Natural Rubber	0 °F to 300 °F -17 °C to 150 °C	All water soluble liquids such as alcohols and acetones
Polyvinyl Chloride "PVC"	25 °F to 200 °F -4° to 65°C	Petroleum, Acids, Fats, Hydrocarbons, Oils, Caustics, Alcohols, and Glycol Ethers
Neoprene	-10 °F to 200 °F -4 °C to 150 °C	Oils, Greases, Acids, Caustics and most Petroleum-Based Products