

Glove Selection Guide

Glove Type	Material	Usage	Recommended for Use With	Not Recommended for Use With	Comments
Latex	Natural Rubber	Incidental contact	Weak Acids, Weak bases, alcohols, aqueous solutions	Oils, greases and organics	Good for biological and water-based materials. Poor for organic solvents. Little chemical protection. Can puncture holes Can cause or trigger latex allergies
Nitrile	Synthetic Rubber	Incidental contact	Oils, greases, acids, caustics, aliphatic solvents	Aromatic solvents, many ketones, esters, many chlorinated solvents	Good for solvents, oils, greases, and some acids and bases. Clear indication of tears and breaks. Good alternative for those with latex allergies
Butyl	Synthetic Rubber	Extended contact	Aldehydes, ketones, esters, glycol ethers, polar organic solvents	Aliphatic, aromatic and chlorinated solvents	Good for ketones and esters. Poor for gasoline and aliphatic, aromatic, and halogenated hydrocarbons
Neoprene	Synthetic Rubber	Extended contact	Oxidizing acids, bases, alcohols, oils, fats, aniline, phenol, glycol ethers	Chlorinated solvents	Good for acids, bases, alcohols, fuels, peroxides, hydrocarbons, and phenols. Poor for halogenated and aromatic hydrocarbons
PVA	Poly-Vinyl Alcohol	Specific use	A wide range of aliphatic, aromatic and chlorinated solvents, ketones (except acetone), esters, ethers	Acids, alcohols, bases, water	Good for aromatic and chlorinated solvents. Poor for water-based solutions
PVC	Poly-Vinyl Chloride	Specific use	Strong acids and bases, salts, other aqueous solutions, alcohols, glycol ethers	Aliphatic, aromatic and chlorinated solvents, aldehydes, ketones, nitro-compounds	Good for acids, bases, oils, fats, peroxides, and amines. Good resistance to abrasions. Poor for most organic solvents
Viton	Fluoro-elastimer	Extended use	Aromatic, aliphatic and chlorinated solvents, and alcohols	Some ketones, esters, amines	Good for chlorinated and aromatic solvents. Good resistance to cuts and abrasions. Poor for ketones.
Silver Shield	Laminate		Wide range of solvents, acids and bases		

Consult the following chart for an overview of common chemical glove types, typical uses and recommendations. The chart is for general reference only, for specific recommendations contact the glove manufacturer, the SDS or the EH&S office (575) 646-3327.