PVC CHEMICAL RESISTANCE

	NYLON			FLEXIBLE PVC			EVA		
	20'C	60'C	80'C	20'C	55'C	NOTES	20'C	60'C	NOTES
Acetaldehyde	G	L		P	P		L	P	40%-100%
Acetic Acid	L	P	P	G	L	10%	G	G	10%
				G	P	50%	G	L	60%
				L	P	85%	G	L	Conc.
Acetic Acid (Glacial)	P	P		P	P		G	L	
Acetic Anhydride	L	P	P	P	P		L	L	
Acetone	G	L	P	P	P			P	P
Acetylene Gas	G	G	G						
Alcohol – Butyl				G	L				
Alcohol – Cetyl				G	G				
Alcohol – Ethyl				G	L				
Alcohol – Lauryl				G	G				
Alcohol – Methyl				G	G				
Aliphatic Hydrocarbons				G	L				
Alum				G	G		G	G	
Aluminium Acetate							G	G	
Aluminium Chloride				G	G		G	G	
Aluminium Fluoride				G	L				
Aluminium Nitrate				G	G				
Aluminium Oxulate				G	G				
Aluminium Potassium Sulphate				G	G				
Aluminium Sulphate	G	G	G	G	G		G	G	
Ammonia, Aqueous	G	G	G	G	G	10%	G	G	
				L	L	28%			
Ammonia, Gas	G			G	L	Dry	G	G	
				P	P	Wet			
Ammonium Chloride				G	G		G	G	
Ammonium Hydroxide	G	G	G	G	L		G	G	
Ammonium Sulphate	G	L		G	G		G	G	
Amyl Acetate	G	G	L	P	P		P	P	
Amyl Alcohol				G	G		G	G	
Anethole	G								
Aniline	L	P	P	G	G		L	P	
Barium Carbonate	G	G	G	G	G		G	G	
Barium Chloride	G	G	G	G	G		G	G	
Barium Hydroxide				G			G	G	
Barium Sulphate				G	G				
Beer	G			G	L		G	G	
Benzaldehyde	G	P		P	P		L	P	
Benzene	G	L		P	P		P	P	
Benzyl Alcohol	L	P	P	P	P		L	P	
Benzoic Acid				P	P				
Bismuth Carbonate				G	G				
Bleach				G	G	Dil	G	G	
				G	L	Conc			
Borax (Sodium Tetraborate)				G	G		G	G	
Boric Acid				G	G		G	G	
Brine				G	G		G	G	
Bromine, Dry Gas	P			P	P		P	P	

	NYLON			FLEXIBLE PVC			EVA		
	20'C	60'C	80'C	20'C	55'C	NOTES	20'C	60'C	NOTES
Bromine, Liquid Anhydrous	P			P	P		P	P	
Butane Gas	G	G		G	L		G	G	
Butyl Acetate	G	G	L	P	P				
Butyl Alcohol (n-Butanol)	G	P		G	L		G	G	
Butyric Acid				G	L	20%	L	P	
				P	P	Conc			
Calcium Arsenate	G	G							
Calcium Carbonate				G	G				
Calcium Chloride	G	G	G	G	G		G	G	
Calcium Hydroxide (lime Soln.)				G	G		G	G	
Calcium Hypochlorite				G	G	Dil	G	G	
				G	L	Conc			
Calcium Nitrate				G	G				
Carbinol Acetate				P	P				
Carbolic Acid (Phenol)				L	P		P	P	
Carbon Dioxide				G	G		G	G	
Carbon Disulphide	G	P		P	P		P	P	
Carbonic Acid				G	G				
Carbon Monoxide				G	G				
Carbon Tetrachloride				P	P		P	P	
Casein				G	G				
Castor Oil				G	L		L	P	
Caustic Soda				G	G				
Chlorine Dry Gas	P	P	P	P	P		P	P	
Chlorine Water				P	P		G	G	2%
							G	P	Sat'd
Chloroform				P	P		P	P	
Chromic Acid Plating soln.	P			P		10%	L	L	
Cider	G			G			G	G	
Citric Acid	G	L	P	G	G	50%	G	G	
Coal Gas	G			P		Permeates			
Copper Cyanide				G	G				
Copper Nitrate				G	G				
Copper Sulphate	G	G	G	G	G		G	G	
Creosote				P	P		P	P	
Cresol(s)				P	P		P	P	
Crude Oil	G	G		L	P		P	P	
Cyanide				G	G		G	G	
Cyclohexane	G	L					P	P	
Cyclohexanol	G	P		P	P		L	P	
Cyclohexanone									
D D T Preparation	G								
Decalin	G	G	L						
Detergents Alkaline				G		To 25%	G	G	
Detergents, synthetic				G	G		G	G	
Dextrin (Starch Gum)				G	G		G	G	
Dextrose				G	G		G	G	
Di Acetone Alcohol	G	L	P						
Di Ammonium Phosphate	G	L		P	P		L	P	
Di Butyl Phalate				P	P				
Di Chloro Ethane				P	P				

	NYLON			FLEXIBLE PVC			EVA		
	20'C	60'C	80'C	20'C	55'C	NOTES	20'C	60'C	NOTES
Di Chloro Methane				P	P				
Di Ethanolamine	G	L	L				L	P	
Di Ethyl Ether	G			P	P		P	P	
Di Isocyanate				P	P				
Di Methyl Formanide				P	P				
Di Methyl Sulphoxide				P	P				
Di Octyl Phosphate	G	L	L						
Di Octyl Phthalate	G	G		P	P		L	P	
Di Sodium Phosphate				G	G		G	G	
Diesel Fuels				G	L		L	P	
Developers Photographic				G	G				
Dextrose				G	G				
Dichlorethylene				P	P				
Ethane				G	G				
Ethanol	L	P		G	L	20%	G	G	35%-100%
				p	p	96%			
Ethyl Acetate	G	G		P	P		L	P	
Ethylene Chlorohydrin	P			P	P				
Ethylene Chloride				P	P		P	P	
Ethylene Di Chloride				P	P		P	P	
Ethyl Ether				P	P		P	P	
Ethylene Glycol				G	L	30%	G	G	
				L	L	100%			
Ethylene Oxide	G	L	P	P	P		P	P	
Fatty Acids Esters	G	G	G						
FerrIC Chloride				G	G		L	L	
Fixing Solution – Photographic				G	G				
Flavours & Essences							G	G	
Fluorine	P			G	P		L	P	
Formaldehyde 40%	G	P		L	L	37%	G	L	
Formic Acid				G	G	10%	G	G	3%-100%
				L	P	50%			
				P	P	100%			
French Polish				G	P		G		
Fruit Juices	G			G			G	G	Lemon
Fuel Oil				G	G		L	P	
Furfuryl Alcohol	G	L	P	G	G		P	P	
Gases, Coal or Town									
Gases, Natural				G					
Gas oil	G	L		G	G		L	P	
Gas, Liquified Petroleum				G	G				
Glucose	G	G	G	G	G		G	G	
Glycerine	G	L	P	G	G		G	G	
Glycol	G	L	P	G	L	30%	G	G	
				L	L	100%			
Grape Sugar				G	G		G	G	
Grease, General	G	G	G	G	G		L	P	
Grease, Mineral	G	G	G	G	L		L	P	
Ground Nut Oil				G	L		L	P	

	NYLON			FLEXIBLE PVC			EVA		
	20'C	60'C	80'C	20'C	55'C	NOTES	20'C	60'C	NOTES
Heptane				G	L		P	P	
Hexadecanol				G	G				
Hexane				G	L				
Hydrazine				P					
Hydrobromic Acid				G	G				
Hydrochloric Acid	G	P	P	G	G	10%	G	G	Dil.
				G	G	25%	L	L	Conc.
				G	L	37% Conc.			
Hydrofluoric Acid				G	L	40%	G	G	4%-60%
				P	P	60%	G	L	Conc.
Hydro Fluosilicic Acid				P	P	20%	G	G	31%
Hydrogen	G	G	G	G	G		G	G	
Hydrogen Peroxide	G	L		G	L	10%-30%	G	G	30% (100Vols)
Hydrogen Sulphide Gas									
Iodine, Tincture of				L	P				
Iodine, Solution in Pot. Iodide				P	P		L	P	
Industrial Methylated Spirits				G	G		L	P	
Iso Cyanates				P	P		P	P	
Iso Propyl Alcohol				G	P		G		
Jet Fuel JP-4				G	G		L	P	
Kerosene				G	G		L	P	
Lactic Acid	G	G	L	G	L	10%	G	G	90%
				P	P	100%			
Lanoline				G	G				
Lead Acetate				G	G		G	G	
Lead Nitrate				G	G				
Lime Solution				G	G		G	G	
Linseed Cake	G	G	G						
Linseed Oil				L	L		L	P	
Magnesium Chloride	G	G	G	G	G		G	G	
Magnesium Hydroxide				G	G		G	G	
Magnesium Nitrate				G	G				
Melamine Acid				P	P				
Mercuric Cyanide				G	G				
Mercurous Nitrate				G	G				
Mercury	G	G	G	G	G		G	G	
Metallic Soaps				G	G				
Methane	G	G	G	G					
Methanol				G	G				
Methylated Spirit				P	P		L	P	
Methyl Acetate	G	G	G	P	P		P	P	
Methyl Bromide	G	P		P	P		P	P	
Methyl Ethyl Ketone (M.E.K.)	G	L	P	P	P		L	P	
Methylene Chloride				P	P		P	P	
Methyl Iso Butyl Ketone (M.I.B.K.)	G	L	P	P	P		P	P	
Methyl Sulphate	G	L		L	P				
Milk	G	G	G	G	P		G	G	
Mineral Oils				G	P				

	NYLON			FLEXIBLE PVC			EVA		
	20'C	60'C	80'C	20'C	55'C	NOTES	20'C	60'C	NOTES
Molasses				G	G				
Mustard	G						G		
Naphtha (Mixtures of Hydrocarbons)				P	P		L	P	
Napthalene	G	G	L	P	P		P	P	
Natural gas				G			G		
Nickel Chloride				G	G		G	G	
Nickel Nitrate				G	G		G	G	
Nitric Acid	P			G	L	30%	L	L	30%-50%
	P			G	L	50%	P	P	Conc.
				P	P	95%			
Nitrobenzene				P	P				
Nitrous Oxide Gas				G	P				
Nitrogen	G			G			G		
Oil, Animal				G	L		L	P	
Oil, Crude				G	L		P	P	
Oil, Diesel				G	L		L	P	
Oil, Hydraulic - Petroleum Base				G	L				
Oil Hydraulic - Synthetic Base				G	L				
Oil, Mineral	G	G	G	G	L		L	P	
Oil, Vegetable				G	L		L	P	
Oleic Acid	G	G	L	G	L		P	P	
Oxalic Acid	G	L	P	G	G		G	G	
Oxygen	G	G	G	G	L		G	G	
Ozone	L	P		G			P	P	
Paraffin	G	L		G	P		L	P	
Peracetic Acid 40%				U	U				
Petrol				G	L		P	P	
Petrol – Unleaded				P	P		P	P	
Petroleum Ether				G	L		P	P	
Phenols (Carbolic Acids)				L	P		P	P	
Phosphates				G	G				
Phosphoric Acid	G	P		G	G	25%-50%	G	G	85%
Phosphorus Pentoxide				G			G	G	
Photographic Emulsions				G	G				
Pictric Acid	L	P		G	G	1%	L	L	1%
Polyeater Emulsions				P					
Polyglycol Ethers				P	P				
Potassium Bromate				G	G				
Potassium Chloride				G	G				
Potassium Cyanide				G	G				
Potasium Dichromate				G	G		G	G	40%
Potassium Fluoride				G	G				
Potassium Hydroxide	G	G		G	30%		G	G	20%
	G	P		L	L	50%			
				L	P	Conc,			
Potassium Nitrate	G	P		G	G		G	G	
Potassium Permanganate	P			G		10%	P	P	20%
Potassium Sulphate	G	G	G	G	G		G	G	
Propane	G	G	G	G	L				

	NYLON			FLEXIBLE PVC			EVA		
	20'C	60'C	80'C	20'C	55'C	NOTES	20'C	60'C	NOTES
Propylene Glycol				G	L				
Pyridine	L	P							
Sea Water	G	G	G	G	G		G	G	
Silver Nitrate				G			G	G	
Soap Solution	G			G			G	G	
Soda Water	G	G	G	G	G		G	G	
Sodium Bicarbonate				G	G		G	G	
Sodium Carbonate (Washing Soda)	G	L	P	G	G		G	G	
Sodium Chlorate				G	G		G	G	
Sodium Chloride (Common Salt)	G	G	G	G	G		G	G	
Sodium Fluoride				G	G				
Sodium Hydroxide (Caustic Soda)	G	P		G	P	50%	G	G	
Sodium Hypochloride				G	L	15% Chlorine	G	G	15% Chlorine
Sodium Nitrate				G	G	30%	G	G	
Sodium Sulphide	G	L	P	G	G	2.5% & Conc.	G	G	15% & Conc.
Sodium Sulphite				G			G	G	
Sodium Tetraborate (Borax)				G	G		G	G	
Soft Soap	G			G			G	G	
Starch				G	G				
Stearic Acid	G	G	L	G	G		G	G	
Sulphur	G	G					G	G	
Sulphur Dioxide				G	G	Dry	G	G	Dry
				L	P	Moist & Liquid	G	P	Moist
Sulphur Trioxide	L	P					P	P	
Sulphuric Acid	G	L	P	G	G	10-45%	G	L	Dil.
				G	L	50%	P	P	70%
				L	P	60%-80%	P	P	98%
				P	P	98%			
Sulphamic Acid				P					
Synthetic Detergents				G	L				
Tannic Acid				G	G				
Tartaric Acid	G	G	L	G	G		G	G	
Tetra Ethyl Lead	G			G	L		G	P	
Toluene	G	L	L	P	P		P	P	
Transformer Oil				G	L		P	P	
Tri Butyl Phosphate	G	G	L	P	P		L	P	
Trichloroethane	L	P		P	P		P	P	
Trichloroethylene	L	P		P	P		P	P	
Tri Cresol Phosphate	G	G	L	P	P		P	P	
Tri Sodium Phosphate	G	G	G	G	G		G	G	
Turpentine				G	G		L	P	
Urea Formaldehyde Solution				P	P				
Urea Solution	G	L	P	G			G	G	
Uric Acid	G	G	L				G	G	
Vegetable Oils				G	L				
Vinegar	G	G	G	G	L		G	G	
Water	G	G	G	G	G		G	G	
Wetting Agents				G	G				

	NYLON			FLEXIBLE PVC			EVA		
	20'C	60'C	80'C	20'C	55'C	NOTES	20'C	60'C	NOTES
White Spirit				G	L		L	P	
Wines & Spirits	G	G		G	L		G		
Xylene (Xylol)	G	L	L	L	L		P	P	
Yeast				G	G		G	G	
Zinc Chloride				G	G		G	G	

KEY

G = Good Resistance.
L = Limited Resistance. Attack will occur giving shortened life.
P = Poor Resistance. Rapid attack will occur.