

CHEMICAL RESISTANCE AND BARRIER GUIDE

Chemical	Latex		Nitrile	
	Colour Code Rating	Permeation Time (Minutes)	Colour Code Rating	Permeation Time (Minutes)
“Chromic Acid” Cleaning Solution	Red	-	Yellow	-
1 – Nitropropane	Yellow	-	Red	-
2 – Nitropropane	Red	-	Red	-
Acetaldehyde	Green	-	Red	-
Acetic Acid, 10%	Black	-	Yellow	108
Acetic Acid, Glacial, 99.7%	Green	-	Yellow	-
Acetone	Green	-	Red	-
Acetonitrile	Green	-	Red	-
Acrylic Acid	Green	-	Yellow	-
Ammonium Hydroxide, 25%	Black	-	Red	-
Ammonium Hydroxide (30% Concentration)	Green	-	Blue	-
Ammonium Hydroxide (Concentrated)	Red	-	Red	-
Aniline	Red	-	Red	-
Benzaldehyde	Red	-	Red	-

Chemical	Latex		Nitrile	
	Colour Code Rating	Permeation Time (Minutes)	Colour Code Rating	Permeation Time (Minutes)
Benzene	Red	-	Red	-
Boric Acid	Blue	-	Blue	-
Calcium Hydroxide (Dental)	Blue	-	Blue	-
Carbon Disulfide	Red	-	Red	-
Carbon Tetrachloride	Red	-	Red	-
Chlorhexidine, 4%	Black	-	Blue	> 480
Chlorobenzene	Red	-	Red	-
Chloroform	Red	-	Red	-
Chromic Acid	Red	-	Yellow	-
Citric Acid, 10%	Blue	-	Blue	-
Cyclohexane	Red	-	Blue	-
Cyclohexanol	Green	-	Blue	-
Cyclohexanone	Red	-	Red	-
Dental Etching Material	Green	-	Green	-

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Chemical Resistance Key

- Excellent
- Fair
- No Data
- Good
- Poor



Chemical	Latex		Nitrile	
	Colour Code Rating	Permeation Time (Minutes)	Colour Code Rating	Permeation Time (Minutes)
Dental Waxes	Red	-	Blue	-
Detergent Solutions	Green	-	Blue	-
Di - N- Octylphthalate (DNOP)	Yellow	-	Blue	-
Diacetone Alcohol	Yellow	-	Green	-
Diethylamine	Yellow	-	Green	-
Diethylene Glycol	Blue	-	Blue	-
Diisobutyl Ketone (DIBK)	Red	-	Red	-
Dimethylacetamide (DMAC)	Green	-	Green	-
Dimozon pur, 4%	Black	-	Blue	> 480
Dimozon pur, 1%	Black	-	Blue	> 480
Dimethylformamide (DMF)	Red	-	Red	-
Dioxane	Red	-	Red	-
Dismofix B, 1%	Black	-	Blue	> 480
Epichlorohydrin	Yellow	-	Red	-

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	Colour Code Rating	Permeation Time (Minutes)	Colour Code Rating	Permeation Time (Minutes)
Ethanol, 35%	Black	-	Yellow	12
Ethanol, 70%	Black	-	Red	-
Ethanol	Green	-	Red	-
Ethidium Bromide, 1%	Black	-	Blue	> 480
Ethidium Bromide, 10%	Black	-	Blue	-
Ethyl Acetate	Red	-	Red	-
Ethyl Ether	Red	-	Blue	-
Ethylene Dichloride	Red	-	Red	-
Formaldehyde, 10%	Black	-	Green	> 180
Formaldehyde, 35%	Black	-	Green	< 59
Formalin, 10%	Black	-	Green	< 479
Formic Acid	Green	-	Green	-
Glutaraldehyde, 1%	Black	-	Green	-
Glutaraldehyde, < 5%	Black	-	Green	> 480

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Blue	Excellent	Green	Good
Yellow	Fair	Red	Poor
Black	No Data		



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	Colour Code Rating	Permeation Time (Minutes)	Colour Code Rating	Permeation Time (Minutes)
Glycerin	Excellent	-	Excellent	-
Glycerol	Excellent	-	Excellent	-
Hydrazine	Fair	-	Excellent	-
Hydrochloric Acid, < 30%	Excellent	-	Good	-
Hydrochloric Acid, 36%	No Data	-	Fair	35
Hydrofluoric Acid (Concentrated)	Poor	-	Poor	-
Hydrofluoric Acid, < 10%	Good	-	Good	-
Hydrogen Peroxide, 3%	No Data	-	Excellent	>480
Isobutyl Alcohol	No Data	-	Poor	-
Isopropanol, 35%	No Data	-	Poor	-
Isopropanol, 70%	No Data	-	Excellent	-
Kerosene	Poor	-	Poor	-
Ketones	Good	-	Poor	-
Kohrsolin extra 0.5% for the detection of organic solvents	No Data	-	Good	173

Chemical	Latex		Nitrile	
	Colour Code Rating	Permeation Time (Minutes)	Colour Code Rating	Permeation Time (Minutes)
Kohrsolin extra for the detection of formaldehyde	No Data	-	Excellent	> 480
Kohrsolin extra 4% for the detection of organic solvents	No Data	-	Excellent	> 480
Kohrsolin extra 4% for the detection of formaldehyde	No Data	-	Excellent	> 480
Kohrsolin FF 0.5% for the detection of Glutaraldehyde	No Data	-	Excellent	> 480
Korsolex Med AF, 1%	No Data	-	Excellent	-
Korsolex Plus, 3%	No Data	-	Excellent	> 480
Lactic Acid	Excellent	-	Excellent	-
Lauric Acid	Excellent	-	Excellent	-
Maleic Acid	Good	-	Good	-
Methanol	Fair	-	Fair	-
Methyl Amine	Fair	-	Good	-
Methyl Butyl Ketone	Poor	-	Poor	-
Methyl Ethyl Ketone (MEK)	Poor	-	Poor	-
Methyl Isobutyl Ketone (MIBK)	Poor	-	Poor	-

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Methyl Methacrylate (MMA)	Red	-	Red	-
Milkrobac Tissues 100%	Black	-	Blue	> 480
N – Heptane	Red	-	Red	-
N – Hexane	Red	-	Red	-
N – Methyl – 2 Pyrrolidone (NMP)	Blue	-	Red	-
N- Nitrosodiethylamine	Black	-	Red	-
N – Propyl Acetate	Red	-	Red	-
N – Propyl Alcohol	Green	-	Blue	-
Naptha	Red	-	Blue	-
Nitric Acid, <30%	Green	-	Green	-
Nitric Acid, 36%	Red	-	Yellow	20
Nitric Acid, 10%	Green	-	Green	-
Nitric Acid, 30 – 70%	Red	-	Red	-
Nitrobenzene	Yellow	-	Yellow	-

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Nitroethane	Green	-	Red	-
Nitromethane	Yellow	-	Red	-
Nitropropane	Red	-	Red	-
Octane	Red	-	Green	-
Octanol	Blue	-	Blue	-
Oleic Acid	Yellow	-	Blue	-
Oxalic Acid	Blue	-	Blue	-
Palmitic Acid	Yellow	-	Green	-
Pentane	Red	-	Blue	-
Perchloric Acid, 30% - 70%	Yellow	-	Yellow	-
Perchloroethylene (PERC)	Red	-	Green	-
Peroxyacetic Acid	Red	-	Red	-
Phenol	Yellow	-	Yellow	-
Phenolphthalein	Red	-	Red	-

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Phosphoric Acid	Red	-	Red	-
Picric Acid	Green	-	Blue	-
Potassium Bromate	Blue	-	Blue	-
Potassium Chloride	Blue	-	Blue	-
Potassium Dichromate	Blue	-	Blue	-
Potassium Hydroxide, 30%	Black	-	Blue	> 480
Potassium Hydroxide, 50%	Black	-	Blue	-
Potassium Iodide	Green	-	Green	-
Potassium Sulfate	Green	-	Red	-
Propyl Acetate	Red	-	Yellow	-
Propyl Alcohol	Green	-	Blue	-
Propylene	Red	-	Red	-
Propylene Glycol	Blue	-	Blue	-
Pyridine	Red	-	Red	-

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Sodium Bicarbonate	Blue	-	Blue	-
Sodium Carbonate	Blue	-	Blue	-
Sodium Chloride	Blue	-	Blue	-
Sodium Fluoride	Green	-	Green	-
Sodium Hydroxide, 50%	Green	-	Blue	-
Sodium Hydroxide, 40%	Black	-	Blue	> 480
Sodium Hypochlorite	Yellow	-	Yellow	-
Styrene	Red	-	Red	-
Sulfuric Acid, < 70%	Green	-	Blue	-
Sulfuric Acid, >70%	Red	-	Red	-
Tannic Acid	Yellow	-	Yellow	-
Tetrahydrofuran	Red	-	Red	-
Toluene	Red	-	Blue	-
Toluene diisocyanate	Red	-	Red	-

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Trichloroethylene	Red	-	Red	-
Triethanolamine	Blue	-	Blue	-
Turpentine	Red	-	Blue	-
Vinyl Chloride	Red	-	Red	-
Varnish	Red	-	Green	-
Xylene	Red	-	Red	-

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