

# Chemical Resistance Charts: A-D

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	SBR INSERTION	NEOPRENE	NITRILE	WHITE NITRILE	EPDM	WHITE EPDM	VITON	SILICONE	NATURAL RED	LINATEX
Acetaldehyde	3	3	3	3	2	2	4	2	2	2
Acetamide	4	1	1	1	1	1	3	2	4	4
Acetic Acid - 5%	2	1	2	2	1	1	1	1	2	2
Acetic Acid Glacial	2	4	2	2	2	2	4	2	2	2
Acetic Anhydride	4	2	4	4	2	2	4	2	2	2
Acetone	4	4	4	4	1	1	4	4	4	4
Acetonitrile	3	4	4	4	4	4	3	4	3	3
Acetyl Chloride	4	4	4	4	4	4	1	3	4	4
Acetylene	2	2	1	1	1	1	1	2	2	2
Air	2	1	1	1	1	1	1	1	2	2
Alum	1	1	1	1	1	1	1	1	1	1
Aluminium Acetate	4	2	2	2	1	1	4	4	1	1
Aluminium Chloride	1	1	1	1	1	1	1	2	1	1
Aluminium Sulphate	2	1	1	1	1	1	1	1	1	1
Ammonia Gas (cold)	1	1	1	1	1	1	4	1	1	1
Ammonia Gas (hot)	4	2	4	4	2	2	4	1	4	4
Ammonia Gas (anhydrous)	4	1	2	2	1	1	4	2	4	4
Ammonium Chloride	1	1	1	1	1	1	4	4	1	1
Ammonium Hydroxide - 3 Molar	3	1	1	1	1	1	2	1	2	2
Ammonium Sulphate	2	1	1	1	1	1	4	4	1	1
Amyl Acetate	4	4	4	4	1	1	4	4	4	4
Amyl Alcohol	2	2	2	2	1	1	2	4	2	2
Aniline	4	4	4	4	2	2	3	4	4	4
Aqua Regia	4	4	4	4	3	3	2	4	4	4
Asphalt	4	2	2	2	4	4	1	4	4	4
Barium Chloride	1	1	1	1	1	1	1	1	1	1
Benzaldehyde	4	4	4	4	1	1	4	4	4	4
Benzene	4	4	4	4	4	4	1	4	4	4
Benzoic Acid	4	4	4	4	4	4	1	4	4	4
Benzyl Alcohol	4	2	4	4	2	2	1	4	4	4
Benzyl Chloride	4	4	4	4	4	4	1	4	4	4
Blast Furnace Gas	4	4	4	4	4	4	1	1	4	4
Bleach (solution)	4	4	4	4	1	1	1	2	4	4
Borax	2	4	2	2	1	1	1	2	2	2
Boric Acid	1	1	1	1	1	1	1	1	1	1

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	SBR INSERTION	NEOPRENE	NITRILE	WHITE NITRILE	EPDM	WHITE EPDM	VITON	SILICONE	NATURAL RED	LINATEX
Bromine	4	4	4	4	4	4	1	4	4	4
Butadiene	4	4	4	4	4	4	1	4	4	4
Butane	3	1	1	1	4	4	1	4	4	4
Butanol	1	1	1	1	2	2	1	2	1	1
Butyl Acetate	4	4	4	4	2	2	4	4	4	4
Butyl Alcohol	1	1	1	1	2	2	1	2	1	1
Butyric Acid	4	4	4	4	2	2	2	4	4	4
Calcium Chloride	1	1	1	1	1	1	1	1	1	1
Calcium Hydroxide	1	1	1	1	1	1	1	4	1	1
Calcium Sulphate	2	1	1	1	1	1	1	1	2	2
Carbolic Acid	4	4	4	4	2	2	1	4	4	4
Carbon Dioxide	2	2	1	1	2	2	2	2	2	2
Carbon Disulphide	4	4	4	4	4	4	1	4	4	4
Carbon Monoxide	2	2	1	1	1	1	1	1	2	2
Carbon Tetrachloride	4	4	2	2	4	4	1	4	4	4
Castor Oil	1	1	1	1	2	2	1	1	1	1
Chlorine Dioxide	4	4	4	4	3	3	1	4	4	4
Chlorine - Wet	4	4	4	4	4	4	1	4	4	4
Chlorine - Dry	4	4	4	4	4	4	1	4	4	4
Chlorine - Liquid	4	4	4	4	4	4	1	4	4	4
Chlorobenzene	4	4	4	4	4	4	1	4	4	4
Chloroform	4	4	4	4	4	4	1	4	4	4
Chromic Acid	4	4	4	4	2	2	1	3	4	4
Citric Acid	1	1	1	1	1	1	1	1	1	1
Condensation Water	1	2	1	1	1	1	2	1	1	1
Copper Acetate	4	2	2	2	1	1	4	4	1	1
Copper Sulphate	2	1	1	1	1	1	1	1	2	2
Creosote	4	2	1	1	4	4	1	4	4	4
Cresol	4	4	4	4	4	4	1	4	4	4
Crude Oil	4	4	2	2	4	4	1	4	4	4
Cyclohexane	4	3	1	1	4	4	1	4	4	4
Cyclohexanol	4	2	1	1	4	4	1	4	4	4
Cyclohexanone	4	4	4	4	2	2	4	4	4	4
Dibenzyl Ether	4	4	4	4	2	2	4	4	4	4
Dibutyl Phthalate	4	4	4	4	2	2	3	4	4	4

# Chemical Resistance Charts: D-P

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	SBR INSERTION	NEOPRENE	NITRILE	WHITE NITRILE	EPDM	WHITE EPDM	VITON	SILICONE	NATURAL RED	LINATEX
Diesel Oil	4	3	1	1	4	4	1	4	4	4
Diethylamine	2	2	2	2	2	2	4	2	2	2
Dimethyl Formamide	4	4	2	2	3	3	2	1	4	4
Dioxane	4	4	4	4	2	2	4	4	4	4
Diphyl (Dowtherm A)	4	4	4	4	4	4	1	4	4	4
Ethane	4	2	1	1	4	4	1	4	4	4
Ethanol	1	1	1	1	1	1	3	1	1	1
Ethyl Acetate	4	4	4	4	2	2	4	2	4	4
Ethyl Acrylate	4	4	4	4	2	2	4	2	4	4
Ethyl Alcohol	1	1	1	1	1	1	3	1	1	1
Ethyl Chloride (Dry)	2	1	1	1	1	1	1	4	1	1
Ethyl Ether	4	4	3	3	3	3	4	4	4	4
Ethylbenzene	4	4	4	4	1	1	1	4	4	4
Ethylene Chloride	4	4	4	4	4	4	2	4	4	4
Ethylene Glycol	1	1	1	1	1	1	1	1	1	1
Fomaldehyde	3	3	3	3	2	2	4	2	2	2
Freons (see refrigerants)										
Fuel Oil	4	2	1	1	4	4	1	4	4	4
Gasoline	4	4	1	1	4	4	1	4	4	4
Glucose	1	1	1	1	1	1	1	1	1	1
Glycerine	1	1	1	1	1	1	1	1	1	1
Glycol	1	1	1	1	1	1	1	1	1	1
Heptane	4	2	1	1	4	4	1	4	4	4
Hexane	4	2	1	1	4	4	1	4	4	4
Hydraulic Oil	4	2	1	1	4	4	1	2	4	4
Hydrochloric Acid 20%	3	3	3	3	1	1	1	4	3	3
Hydrochloric Acid 37%	4	4	4	4	3	3	1	4	4	4
Hydrofluoric Acid <65% - Cold	2	1	3	3	1	1	1	4	4	4
Hydrofluoric Acid >65%	4	4	4	4	4	4	3	4	4	4
Hydrofluorosilic Acid	2	2	2	2	1	1	1	4	1	1
Hydrogen	2	1	1	1	1	1	1	3	2	2
Hydrogen Peroxide 6%	3	1	2	2	2	2	1	1	2	2
Hydrogen Sulphide - Dry, Cold	1	1	1	1	1	1	4	3	1	1
Iso-Octane	4	2	1	1	4	4	1	4	4	4
Isopropyl Acetate	4	4	4	4	2	2	4	4	4	4

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Isopropyl Alcohol	2	2	2	2	1	1	1	1	1	1
Isopropyl Ether	4	3	2	2	4	4	4	4	4	4
Kerosene	4	2	1	1	4	4	1	4	4	4
Lactic Acid - Cold	1	1	1	1	1	1	1	4	1	1
Lactic Acid - Hot	4	4	4	4	4	4	1	4	4	4
Linseed Oil	4	3	1	1	3	3	1	1	4	4
Liquid Petroleum Gas (LPG)	4	2	1	1	4	4	1	3	4	4
Lubricating Oil	4	2	1	1	4	4	1	4	4	4
Magnesium Sulphate	2	1	1	1	1	1	1	1	2	2
Maleic Acid	4	4	4	4	4	4	1	4	4	4
Maleic Anhydride	4	4	4	4	4	4	1	4	4	4
Methane	4	2	1	1	4	4	1	4	4	4
Methanol	1	1	1	1	1	1	4	1	1	1
Methyl Alcohol	1	1	1	1	1	1	4	1	1	1
Methyl Chloride	4	4	4	4	3	3	1	4	4	4
Methyl Ethyl Ketone (MEK)	4	4	4	4	1	1	4	4	4	4
Methyl Methacrylate	4	4	4	4	4	4	4	4	4	4
Mobiltherm 600	4	2	1	1	4	4	1	4	4	4
Naphtha	4	4	2	2	4	4	1	4	4	4
Naphthalene	4	4	4	4	4	4	1	4	4	4
Natural Gas	2	1	1	1	4	4	1	1	2	2
Nickel Chloride	1	2	1	1	1	1	1	1	1	1
Nickel Sulphate	2	1	1	1	1	1	1	1	2	2
Nitric Acid <30%	4	4	4	4	2	2	1	4	4	4
Nitric Acid >30%	4	4	4	4	4	4	1	4	4	4
Nitric Acid Red Fuming	4	4	4	4	4	4	2	4	4	4
Nitrogen	1	1	1	1	1	1	1	1	1	1
Octane	4	4	2	2	4	4	1	4	4	4
Oleic Acid	4	4	3	3	4	4	2	4	4	4
Oleum	4	4	4	4	4	4	1	4	4	4
Oxalic Acid	2	2	2	2	1	1	1	2	2	2
Oxygen - Cold	4	1	2	2	1	1	1	1	2	2
Palmitic Acid	2	2	1	1	2	2	1	4	2	2
Pentane	4	2	1	1	4	4	1	4	4	4
Perchloroethylene	4	4	2	2	4	4	1	4	4	4

# Chemical Resistance Charts: P-Z

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	SBR INSERTION	NEOPRENE	NITRILE	WHITE NITRILE	EPDM	WHITE EPDM	VITON	SILICONE	NATURAL RED	LINATEX
Perchloric Acid	4	2	4	4	2	2	1	4	4	4
Petroleum	4	3	3	3	4	4	1	4	4	4
Phenol	4	4	4	4	4	4	1	4	4	4
Phosphoric Acid <45%	2	3	4	4	1	1	1	2	2	2
Phosphoric Acid >45%	3	4	4	4	2	2	1	3	3	3
Potassium Acetate	4	2	2	2	1	1	4	4	1	1
Potassium Chloride	1	1	1	1	1	1	1	1	1	1
Potassium Cyanide	1	1	1	1	1	1	1	1	1	1
Potassium Dichromate <20%	1	1	1	1	1	1	1	1	1	1
Potassium Hydroxide <50%	2	2	2	2	1	1	4	3	2	2
Potassium Nitrate	1	1	1	1	1	1	1	1	1	1
Producer Gas	4	2	1	1	4	4	1	2	4	4
Propane	4	2	1	1	4	4	1	4	4	4
Pyridine	4	4	4	4	2	2	4	4	4	4
Rape Seed Oil	4	2	2	2	1	1	1	4	4	4
Refrigerant R11	4	4	2	2	4	4	2	4	4	4
Refrigerant R112	4	2	2	2	4	4	1	4	4	4
Refrigerant R113	2	1	1	1	4	4	2	4	4	4
Refrigerant R114	1	1	1	1	1	1	1	4	1	1
Refrigerant R114B2	4	1	2	2	4	4	2	4	4	4
Refrigerant R115	1	1	1	1	1	1	1	4	1	1
Refrigerant R12	1	1	1	1	2	2	1	4	2	2
Refrigerant R13	1	1	1	1	1	1	1	4	1	1
Refrigerant R13B1	1	1	1	1	1	1	1	4	1	1
Refrigerant R152A	1	1	1	1	1	1	4	4	1	1
Refrigerant R22	1	1	4	4	1	1	4	4	1	1
Refrigerant R502	1	1	2	2	1	1	2	4	1	1
Salicylic Acid	2	4	2	2	1	1	1	4	1	1
Sea Water	1	2	1	1	1	1	4	1	1	1
Silicone Oil	1	1	1	1	1	1	1	3	1	1
Silver Nitrate	1	1	2	2	1	1	1	1	1	1
Soap	2	2	1	1	1	1	1	1	2	2
Sodium Bicarbonate	1	1	1	1	1	1	1	1	1	1
Sodium Bisulphite	2	1	1	1	1	1	1	1	1	1
Sodium Chloride	1	1	1	1	1	1	1	1	1	1

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	SBR INSERTION	NEOPRENE	NITRILE	WHITE NITRILE	EPDM	WHITE EPDM	VITON	SILICONE	NATURAL RED	LINATEX
Sodium Hydroxide <25%	2	2	2	2	1	1	2	1	1	1
Sodium Silicate	1	1	1	1	1	1	1	4	1	1
Sodium Sulphide	2	1	1	1	1	1	1	1	2	2
Sodium Sulphate	2	1	1	1	1	1	1	1	2	2
Steam	4	4	4	4	1	1	4	3	4	4
Stearic Acid	2	2	2	2	2	2	4	2	2	2
Styrene	4	4	4	4	4	4	2	4	4	4
Sugar	1	2	1	1	1	1	1	1	1	1
Sulphur	4	1	4	4	1	1	1	4	4	4
Sulphur Dioxide - Dry	2	4	4	4	1	1	4	2	2	2
Sulphuric Acid 30%	3	3	4	4	2	2	1	4	3	3
Sulphuric Acid 50%	4	4	4	4	4	4	1	4	4	4
Sulphuric Acid 96%	4	4	4	4	4	4	1	4	4	4
Sulphurous Acid	2	2	2	2	2	2	1	4	2	2
Tannic Acid	2	2	1	1	1	1	1	2	1	1
Tar	4	3	2	2	4	4	1	2	3	3
Tartaric Acide	2	2	1	1	2	2	1	1	1	1
Tetrachloroethylene	4	4	4	4	4	4	1	4	4	4
Toluene	4	4	4	4	4	4	1	4	4	4
Transformer Oil	4	2	1	1	4	4	1	2	4	4
Transmission Fluid (Type A)	4	2	1	1	4	4	1	2	4	4
Trichloroethylene	4	4	3	3	4	4	1	4	4	4
Triethanol Amine	2	2	3	3	2	2	4	4	2	2
Turpentine	4	4	1	1	4	4	1	4	4	4
Vegetable Oil	4	3	1	1	3	3	1	1	4	4
Water	1	2	1	1	1	1	2	1	1	1
White Spirit	1	1	1	1	1	1	1	1	1	1
Xylene	4	4	4	4	4	4	1	4	4	4
Zinc Chloride	1	1	1	1	1	1	1	4	1	1
Zinc Sulphate	2	1	1	1	1	1	1	1	2	2