

TABLE 2 - Chemical Compatibility of 100% PTFE Gore-Tex® Sealants

CHEMICAL	CHEMICAL RESISTANCE RATING	CHEMICAL	CHEMICAL RESISTANCE RATING
Abietic Acid	1	Benzoyl Chloride	1
Acetic Acid, Crude	1	Benzyl Alcohol	1
Pure	1	Black Sulfate Liquor	1
Vapors	1	Bleach (Sodium Hypochlorite)	1
Acetic Anhydride	1	Borax	1
Acetone	1	Boric Acid	1
Acetophenone	1	Brine	1
Acetylene	1	Bromine	1
Acrylic Anhydride	1	Bromine Trifluoride	N
Allyl Acetate	1	Butadiene	1
Allyl Methacrylate	1	Butane	1
Aluminum Chloride	1	Butyl Acetate	1
Aluminum Fluoride	1	Butyl Alcohol, Butanol	1
Aluminum Hydroxide (Solid)	1	N-Butyl Amine	1
Aluminum Nitrate	1	Butyl Methacrylate	1
Aluminum Sulfate	1	Calcium Bisulphate	1
Alums	1	Calcium Chloride	1
Ammonia, Liquid	1	Calcium Hypochlorite	1
Ammonia, Gas, 150°F & Below	1	Capolactam	1
Above 150°F	1	Carbolic Acid, Phenol	1
Ammonium Chloride	1	Carbon Dioxide, Dry	1
Ammonium Hydroxide	1	Wet	1
Ammonium Nitrate	1	Carbon Disulfide	1
Ammonium Phosphate		Carbon Monoxide	1
Monobasic	1	Carbon Tetrachloride	1
Dibasic	1	Carbonic Acid	1
Tribasic	1	Cetane (Hexadecane)	1
Ammonium Sulfate	1	Chlorine, Dry	1
Amyl Acetate	1	Wet	1
Aniline, Aniline Oil	1	Chlorine Dioxide	1
Aniline Dyes	1	Chlorine Trifluoride	1
Aqua Regia	1	Chlorazotic Acid (Aqua Regia)	1
Barium Chloride	1	Chloronitrous Acid (Aqua Regia)	1
Barium Hydroxide	1	Chlorinated Solvents, Dry	1
Barium Sulfide	1	Wet	1
Benzaldehyde	1	Chloroacetic Acid	1
Benzene, Benzol	1	Chloroethylene	1
Benzonitrile	1	Chloroform	1

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Chlorosulfonic Acid	1	Formic Acid	1
Chromic Acid	1	Freon	1
Chromic Anhydride	1	Furfural	1
Chromium Trioxide	1	Glycerine, Glycerol	1
Citric Acid	1	Glycol	1
Copper Chloride	1	Grain Alcohol	1
Copper Sulfate	1	Green Sulfate Liquor	1
Cresols, Cresylic Acid	1	Heptane	1
Cyclohexane	1	Hexachloroethane	1
Cyclohexanone	1	Hexane	1
Dibutyl Phthalate	1	Hydrazine	1
Dibutyl Sebacate	1	Hydrobromic Acid	1
Diethyl Carbonate	1	Hydrofluoric Acid, less than 65%	1
Dimethyl Ether	1	150°F and Below	1
Dimethyl Hydrazine, Unsymmetrical	1	Above 150°F	1
Dimethyl Formamide	1	65% To Anhydrous	1
Dioxide	1	Hydrofluoric Acid, Anhydrous	1
Dow Therm A	1	Hydrofluorosilicic Acid	1
Dow Therm E	1	Hydrofluosilicic Acid	1
Ethane	1	Hydrogen Gas, +150°F To -350°F	1
Ethers	1	Above 150°F	1
Ethyl Acetate	1	Hydrogen Fluoride	1
Ethyl Alcohol	1	Hydrogen Peroxide 10-90%	1
Ethyl Cellulose	1	Hydrogen Sulfide	1
Ethyl Chloride	1	Dry, 150°F and Below	1
Ethyl Ether	1	Dry, Above 150°F	1
Ethyl Hexoate	1	Wet, 150°F and Below	1
Ethylene	1	Wet, Above 150°F	1
Ethylene Bromide	1	Iodine Pentafluoride	1
Ethylene Glycol	1	Isobutane	1
Ethylene Oxide	1	Isopropyl Alcohol	1
Ferric Chloride	1	Jet Fuels	1
Ferric Phosphate	1	Kerosene	1
Ferric Sulfate	1	Lactic Acid, 150°F and Below	1
Fluorine, Gas	N	Above 150°F	1
Liquid	1	Lime Saltpeter (Calcium Nitrates)	1
Fluorine Dioxide	1	Lubricating Oils, Sour	1
Formaldehyde	1	Refined	1

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CHEMICAL	CHEMICAL RESISTANCE RATING	CHEMICAL	CHEMICAL RESISTANCE RATING
Lye	1	Oleic Acid	1
Magnesium Chloride	1	Oleum	1
Magnesium Hydroxide	1	Oxalic Acid	1
Magnesium Sulfate	1	Oxygen, Gas, 150°F and Below	1
Mercuric Chloride	1	Gas, Above 150°F	1
Mercury	1	Liquid, Down to -350°F	0
Methane	1	Liquid, Below -350°F	0
Methanol, Methyl Alcohol	1	Ozone	1
Methylacrylic Acid	1	Palmitic Acid	1
Methyl Chloride	1	Pentachlorophenol	1
Methyl Ethyl Keytone	1	Perchloric Acid	1
Methyl Methacrylate	1	Perchloroethylene	1
Mineral Oils	1	Petroleum Oils, Crude	1
Molten Alkali Metals	N	Refined	1
Muriatic Acid	1	Phenol	1
Naphthalene	1	Phosphoric Acid, Crude	1
Naphthas	1	Pure, Less Than 45%	1
Naphthols	1	Above 45%, 150°F and Below	1
Natural Gas	1	Above 45%, Above 150°F	1
Nickel Chloride	1	Phosphorus Pentachloride	1
Nickel Sulfate	1	Phthalic Acid	1
Nitric Acid, Crude	1	Picric Acid, Molten	0
Less Than 30%	1	Water Solution	1
Above 30%	1	Pinene	1
Red Fuming	1	Piperidine	1
Nitrobenzene	1	Polyacrylonitrile	1
2-Nitro-Butanol	1	Potash, Potassium Carbonate	1
Nitrocalcite (Calcium Nitrate)	1	Potassium Acetate	1
Nitrogen Tetroxide	1	Potassium Bichromate	1
Nitromethane	1	Potassium Chromate, Red	1
2-Nitro-2-Methal-Propanol	1	Potassium Cyanide	1
Nitromuriatic Acid (Aqua Regia)	1	Potassium Dichromate	1
Nitrohydrochloric Acid	1	Potassium Hydroxide	1
(Aqua Regia)	1	Potassium Permanganate	1
Norge Nitter (Calcium Nitrate)	1	Potassium Sulfate	1
Norwegian Saltpeter	1	Producer Gas	1
(Calcium Nitrate)	1	Propane	1
N-Octadecyl Alcohol	1	Propylene	1

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Propyl Nitrate	1	Sulfur Chloride	1
Prussic Acid, Hydrocyanic Acid	1	Sulfur Trioxide, Dry	1
Pyridine	1	Sulfuric Acid	
Saltpeter, Potassium Nitrate	1	10%, 150°F and Below	1
Silver Nitrate	1	10%, Above 150°F	1
Soda Ash, Sodium Carbonate	1	10-75%, 150°F & Below	1
Sodium Bicarbonate, Baking Soda	1	75-95%, 150°F & Below	1
Sodium Bisulfate	1	75-95%, Above 150°F	1
Sodium Chloride	1	Fuming	1
Sodium Cyanide	1	Sulfurous Acid	1
Sodium Dioxide	1	Tannic Acid	1
Sodium Hydroxide	1	Tartaric Acid	1
Sodium Hypochlorite	1	Tetrabromoethane	1
Sodium Metaphosphate	1	Toluene	1
Sodium Metaborate Peroxhydrate	1	Trichloroacetic Acid	1
Sodium Nitrate	1	Trichloroethylene	1
Sodium Perborate	1	Tricresyl Phosphate	1
Sodium Peroxide	1	Triethanolamine	1
Sodium Phosphate, Monobasic	1	Turpentine	1
Dibasic	1	Varnish	1
Tribasic	1	Vinegar	1
Sodium Silicate	1	Vinyl Chloride	1
Sodium Sulfate	1	Vinyl Methacrylate	1
Sodium Sulfide	1	Water, Mild Acid, With Oxidizing Salt	1
Sodium Thiosulfate, "Hypo"	1	No Oxidizing Salts	1
Sodium Superoxide	1	Whiskey And Wines	1
Stannic Chloride	1	Wood Alcohol	1
Steam	1	Ylenes	1
Stearic Acid	1	Zinc Chloride	1
Styrene	1		

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This chemical compatibility guide was assembled from known compatibility data for PTFE materials and should be used only as a general guide for determining the suitability of Gore-Tex® sealants for specific applications. An independent study of the compatibility with your specific fluids is advised for confirmation of chemical compatibility. When immersion tests are performed with Gore-Tex® sealants, the test sample must be first precompressed at 250psi minimum. Immersion test samples are available for your use, free of charge from our Elkton, Maryland facility.