

## GORE-TEX® EXPANDED PTFE SEALANTS

# CHEMICAL COMPATIBILITY OF 100% EXPANDED PTFE GORE-TEX® SEALANTS

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 first be precompressed at 2500 psi (17.2 MPa) minimum. Additionally, the adhesive and release paper should be removed from the immersion samples. Immersion test samples for all GORE-TEX® sealants are available, free of charge, from our Elkton, Maryland, facility. For more information, contact:

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Telephone: 410/392-3200  
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1 = Recommended (Little or No Effect)

- = Insufficient Data

N = Not Recommended

ABIETIC ACID	1	DIBASIC	1
ACETIC ACID, CRUDE	1	TRIBASIC	1
PURE	1	AMMONIUM SULFATE	1
VAPORS	1	AMYL ACETATE	1
ACETIC ANHYDRIDE	1	AMYL ALCOHOL	1
ACETONE	1	ANILINE, ANILINE OIL	1
ACETOPHENONE	1	ANILINE DYES	1
ACETYLENE	1	AQUA REGIA	1
ACRYLIC ANHYDRIDE	1	BARIUM CHLORIDE	1
ALLYL ACETATE	1	BARIUM HYDROXIDE	1
ALLYL METHACRYLATE	1	BARIUM SULFIDE	1
ALUMINUM CHLORIDE	1	BENZALDEHYDE	1
ALUMINUM FLOURIDE	1	BENZENE, BENZOL	1
ALUMINUM HYDROXIDE (SOLID)	1	BENZONITRILE	1
ALUMINUM NITRATE	1	BENZOYL CHLORIDE	1
ALUMINUM SULFATE	1	BENZYL ALCOHOL	1
ALUMS	1	BLACK SULFATE LIQUOR	1
AMMONIA, LIQUID	1	BLEACH (SODIUM HYPROCHLORITE)	1
AMMONIA, GAS, 150°F AND BELOW	1	BORAX	1
ABOVE 150°F	1	BORIC ACID	1
AMMONIUM CHLORIDE	1	BRINE	1
AMMONIUM HYDROXIDE	1	BROMINE	1
AMMONIUM NITRATE	1	BROMINE TRIFLUORIDE	N
AMMONIUM PHOSPHATE, MONOBASIC	1	BUTADIENE	1

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BUTANE	1	ETHANE	1
BUTYL ACETATE	1	ETHERS	1
BUTYL ALCOHOL, BUTANOL	1	ETHYL ACETATE	1
N-BUTYL AMINE	1	ETHYL ALCOHOL	1
BUTYL METHACRYLATE	1	ETHYL CELLULOSE	1
CALCIUM BISULFITE	1	ETHYL CHLORIDE	1
CALCIUM CHLORIDE	1	ETHYL ETHER	1
CALCIUM HYDROXIDE	1	ETHYL HEXOATE	1
CALCIUM HYPOCHLORITE	1	ETHYLENE	1
CAPROLACTAM	1	ETHYLENE BROMIDE	1
CARBOLIC ACID, PHENOL	1	ETHYLENE GLYCOL	1
CARBON DIOXIDE, DRY	1	ETHYLENE OXIDE	1
WET	1	FERRIC CHLORIDE	1
CARBON DISULFIDE	1	FERRIC PHOSPHATE	1
CARBON MONOXIDE	1	FERRIC SULFATE	1
CARBON TETRACHLORIDE	1	FLUORINE, GAS	N
CARBONIC ACID	1	LIQUID	N
CETANE (HEXADECANE)	1	FLUORINE DIOXIDE	N
CHLORINE, DRY	1	FORMALDEHYDE	1
WET	1	FORMIC ACID	1
CHLORINE DIOXIDE	1	FREON	1
CHLORINE TRIFLUORIDE	N	FURFURAL	1
CHLORAZOTIC ACID (AQUA REGIA)	1	GLYCERINE, GLYCEROL	1
CHLOROAZOTIC ACID (AQUA REGIA)	1	GLYCOL	1
CHLORONITROUS ACID (AQUA REGIA)	1	GRAIN ALCOHOL	1
CHLORINATED SOLVENTS, DRY	1	GREEN SULFATE LIQUOR	1
WET	1	HEPTANE	1
CHLOROACETIC ACID	1	HEXACHLOROETHANE	1
CHLOROETHYLENE	1	HEXANE	1
CHLOROFORM	1	HYDRAZINE	1
CHLOROSULFONIC ACID	1	HYDROBROMIC ACID	1
CHROMIC ACID	1	HYDROCHLORIC ACID, 150° AND BELOW	1
CHROMIC ANHYDRIDE	1	ABOVE 150°	1
CHROMIUM TRIOXIDE	1	HYDROCYANIC ACID	1
CITRIC ACID	1	HYDROFLUORIC ACID, LESS THAN 65%,	
COPPER CHLORIDE	1	150°F AND BELOW	1
COPPER SULFATE	1	65% TO ANHYDROUS,	
CRESOLS, CRESYLIC ACID	1	150°F AND BELOW	1
CUMENE HYDROPEROXIDE	1	LESS THAN 65%,	
CYCLOHEXANE	1	ABOVE 150°F	1
CYCLOHEXANONE	1	65% TO ANHYDROUS,	
DIBUTYL PHTHALATE	1	ABOVE 150°F	1
DIBUTYL SEBACATE	1	HYDROFLUORIC ACID, ANHYDROUS	1
DIETHYL CARBONATE	1	HYDROFLUOROSILICIC ACID	1
DIMETHYL ETHER	1	HYDROFLUOSILICIC ACID	1
DIMETHYL HYDRAZINE, UNSYMMETRICAL	1	HYDROGEN GAS, +150°F TO -350°F	1
DIMETHYL FORMAMIDE	1	ABOVE 150°F	1
DIOXANE	1	HYDROGEN FLUORIDE	1
DOWTHERM A	1	HYDROGEN PEROXIDE 10-90%	1
DOWTHERM E	1	HYDROGEN SULFIDE, DRY, 150°F AND BELOW	1



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SODA ASH, SODIUM CARBONATE	1	WATER, ACID MIND, WITH OXIDIZING SALT	1
SODIUM BICARBONATE, BAKING SODA	1	NO OXIDIZING SALTS	1
SODIUM BISULFATE	1	WHISKEY AND WINES	1
SODIUM CHLORATE	1	WOOD ALCOHOL	1
SODIUM CHLORIDE	1	XYLENES	1
SODIUM CYANIDE	1	ZINC CHLORIDE	1
SODIUM DIOXIDE	1	ZINC SULFATE	1
SODIUM HYDROXIDE	1		
SODIUM HYPOCHLORITE	1		
SODIUM METAPHOSPHATE	1		
SODIUM METABORATE PEROXYHYDRATE	1		
SODIUM NITRATE	1		
SODIUM PERBORATE	1		
SODIUM PEROXIDE	1		
SODIUM PHOSPHATE, MONOBASIC	1		
DIBASIC	1		
TRIBASIC	1		
SODIUM SILICATE	1		
SODIUM SULFATE	1		
SODIUM SULFIDE	1		
SODIUM THIOSULFATE, "HYPO"	1		
SODIUM SUPEROXIDE	1		
STANNIC CHLORIDE	1		
STEAM	1		
STEARIC ACID	1		
STYRENE	1		
SULFUR CHLORIDE	1		
SULFUR TRIOXIDE, DRY	1		
SULFURIC ACID, 10%, 150°F AND BELOW	1		
10%, ABOVE 150°F	1		
10-75%, 150°F AND BELOW	1		
10-75%, ABOVE 150°F	1		
75-95%, 150°F AND BELOW	1		
75-95%, ABOVE 150°F	1		
FUMING	1		
SULFUROUS ACID	1		
TANNIC ACID	1		
TARTARIC ACID	1		
TETRABROMOETHANE	1		
TETRACHLOROETHYLENE	1		
TOLUENE	1		
TRICHLOROACETIC ACID	1		
TRICHLOROETHYLENE	1		
TRICRESYL PHOSPHATE	1		
TRIETHANOLAMINE	1		
TURPENTINE	1		
VARNISH	1		
VINEGAR	1		
VINYL CHLORIDE	1		
VINYL METHACRYLATE	1		