



T1400

CHEMICAL RESISTANCE CHART

The Chart below rates the chemical resistance of the T1400 polypropylene trench drain bodies to various chemicals and temperatures at the maximum concentration percentage.

A = Minimal Effect - Suitable for all applications where these environmental conditions exist.

B = Limited Absorption or Attack - Suitable for most applications, but the user is advised to test to determine suitability in the particular environment.

C = Extensive Absorption and/or Rapid Permeation - Suitable for applications where only intermittent service is involved, or where the swelling produced has no detrimental effect on the part. The user should test to determine the suitability. in the particular environment.

D = Extensive Attack - The product will dissolve or disintegrates. Not recommended.

ENVIRONMENT	CONCENTRATION %	TEMPERATURE °C/F°		
		20	60	100
ACETIC ACID (GLACIAL)	97	A	B	-
ACETIC ACID	50	A	(80°C)(177°)	-
ACETIC ACID	40	A	(80°C)(177°)	-
ACETIC ACID	10	A	-	-
ACETONE	100	A	A	-
ACETOPHENONE	100	B	A	-
ACRIFLAVINE	2	A	A	-
2% SOLUTION IN H2O	-	A	(80°C)(177°)	-
ACRYLIC EMULSIONS	-	A	A	-
ALUMINUM CHLORIDE	-	A	A	-
ALUMINUM FLUORIDE	-	A	A	-
ALUMINUM SULFATE	-	A	A	-
ALUMS (ALL TYPES)	-	A	A	-
AMMONIA (AQUEOUS)	30	A	-	-
AMMONIA GAS (DRY)	-	A	-	-
AMMONIUM CARBONATE	Satd.	A	A	-
AMMONIUM CHLORIDE	Satd.	A	A	-
AMMONIUM FLUORIDE	20	A	A	-
AMMONIUM HYDROXIDE	10	A	A	-
AMMONIUM METAPHOSPHATE	Satd.	A	A	-
AMMONIUM NITRATE	Satd.	A	A	-
AMMONIUM PERSULFATE	Satd.	A	A	-
AMMONIUM SULFATE	Satd.	A	A	-
AMMONIUM SULFITE	Satd.	A	A	-
AMMONIUM THIOCYANATE	Satd.	A	A	-
AMYL ACETATE	100	B	C	-
AMYL ALCOHOL	100	A	B	-
AMYL CHLORIDE	100	C	C	-
ANILINE	100	A	A	-
ANISOLE	100	B	B	-
ANTIMONY CHLORIDE	-	A	-	-
AQUA REGIA	(a)	B	B	-
AVIATION FUEL (115 145 OCTANE)	10	B	C	-
AVIATION TURBINE FUEL	100	B	C	-
BARIUM CARBONATE	Satd.	A	A	-
BARIUM CHLORIDE	Satd.	A	A	-
BARIUM HYDROXIDE	-	A	A	-
BARIUM SULFATE	Satd.	A	A	-
BARIUM SULFIDE	Satd.	A	A	-
BEER	-	A	A	-
BENZENE	100	B	C	C
BENZOIC ACID	-	A	A	-
BENZYL ALCOHOL	-	A	A	-
BISMUTH CARBONATE	Satd.	A	(80°C)(177°)	-
BORAX	-	A	A	-
BORIC ACID	-	A	A	-
BRINE	Satd.	A	A	-
BROMINE LIQUID	100	D	-	-
BROMINE WATER	(a)	C	-	-
BUTYL ACETATE	100	C	A	-
BUTYL ALCOHOL	100	A	C	-
CALCIUM CARBONATE	Satd.	A	A	-
CALCIUM CHLORATE	Satd.	A	A	-
CALCIUM CHLORIDE	50	A	A	-
CALCIUM HYDROXIDE	-	A	A	-
CALCIUM HYPOCHLORITE BLEACH	20	A	B	-
CALCIUM NITRATE	-	A	A	-
CALCIUM PHOSPHATE	50	A	-	-
CALCIUM SULFATE	-	A	A	-
CALCIUM SULFITE	-	A	A	-
CARBON DIOXIDE (DRY)	-	A	A	-
CARBON DIOXIDE (WET)	-	A	A	-
CARBON DISULFIDE	100	B	C	-
CARBON MONOXIDE	-	A	A	-
CARBON TETRACHLORIDE	100	C	C	C
CARBONIC ACID	-	A	A	-
CASTOR OIL	-	A	-	-
CETYL ALCOHOL	100	A	-	-
CHLORINE (GAS)	100	D	D	-
CHLOROBENZENE	100	C	C	-
CHLOROFORM	100	C	D	D
CHLOROSULFONIC ACID	100	D	D	D
CHROME ALUM	-	A	A	-
CHROMIC ACID	80(a)	A	-	-

ENVIRONMENT	CONCENTRATION %	TEMPERATURE °C/F°		
		A	B	C
CHROMIC ACID	50(a)	A	A	-
CHROMIC ACID	10(a)	A	A	-
CHROMIC/SULFURIC ACID	-	D	-	-
CIDER	-	A	A	-
CITRIC ACID	10	A	A	-
COPPER CHLORIDE	Satd.	A	A	-
COPPER CYANIDE	Satd.	A	A	-
COPPER FLUORIDE	Satd.	A	A	-
COPPER NITRATE	Satd.	A	A	-
COPPER SULFATE	Satd.	A	A	-
COTTONSEED OIL	-	A	A	-
CUPROUS CHLORIDE	Satd.	A	A	-
CYCLOHEXANOL	100	A	B	-
CYCLOHEXANONE	100	B	-	-
DECALIN	100	C	C	C
DETERGENTS	2	A	A	A
DEVELOPERS (PHOTGRAPHIC)	-	A	A	-
DIBUTYL PHTHALATE	100	A	B	D
DICHLOROETHYLENE	100	A	-	-
DIETHANOLAMINE	100	A	A	-
DIISOCTYL PHTHALATE	100	A	A	-
EMULSIFIERS	-	A	A	-
ETHANOLAMINE	100	A	A	-
ETHYL ACETATE	100	B	B	-
ETHYL ALCOHOL	96	A	A	A
ETHYL CHLORIDE	100	C	C	(80°C)(177°F)
ETHYLENE DICHLORIDE	100	B	-	-
ETHYLENE GLYCOL	-	A	A	-
ETHYLENE OXIDE	100	B	-	-
ETHYL ETHER	100	(10°C)(49°F)	-	-
FATTY ACIDS (C6)	100	A	A	-
FERRIC CHLORIDE	Satd.	A	A	-
FERRIC NITRATE	Satd.	A	A	-
FERRIC SULFATE	Satd.	A	A	-
FERROUS CHLORIDE	Satd.	A	A	-
FERROUS SULFATE	Satd.	A	A	-
FLUOSILICIC ACID	-	A	A	-
FORMALDEHYDE	40	A	A	-
FORMIC ACID	100	A	A	-
FORMIC ACID	10	A	A	-
FRUCTOSE	-	A	A	-
FRUIT JUICES	-	A	A	-
FURFURAL	100	C	C	-
GAS LIQUOR	-	C	-	C
GEAR BOX OIL	100	A	B	-
GELATIN	-	A	A	-
GLUCOSE	20	A	A	-
GLYCERIN	100	A	A	A
GLYCOL	-	A	A	-
HEXANE	100	A	B	-
HYDROBROMIC ACID	50(a)	A	A	-
HYDROBROMIC ACID	30(a)	A	A	D
HYDROCHLORIC ACID	20(a)	A	B	-
HYDROCHLORIC ACID	10	A	A	B
HYDROCHLORIC ACID	2	A	A	(80°C)(177°F)
HYDROCHLORIC ACID	(a)	B	D	(80°C)(177°F)
50-50 HCl-HNO3	(a)	B	D	-
50-50 HCl-HNO3	(a)	B	D	-
HYDROFLUORIC ACID	40	A	A	(80°C)(177°F)
HYDROFLUORIC ACID	60(a)	A	A	(40°C)(104°F)
HYDROGEN CHLORIDE GAS (DRY)	100	A	A	-
HYDROGEN PEROXIDE	30	A	-	D
HYDROGEN PEROXIDE	10	A	B	-
HYDROGEN PEROXIDE	3	A	A	-
HYDROGEN SULFIDE	-	A	A	-
HYDROQUINONE	-	A	A	-
INKS	-	A	A	-
IODINE TINCTURE	-	A	C	-
ISOCTANE	100	C	C	-

MIFAB reserves the right to make changes in material and design without formal notice and obligation.

