

Chemical Resistance Chart for Tamco® Tubing

	PU	Nylon	LLDPE	PVC
ACIDS				
ACETIC, 3N	B	E	A	A
BORIC, 4%	B	A	A	A
CHROMIC, 3N	D	E	A	A
CITRONIC, 3N	B	-	A	A
FORMIC, 3N	D	A	A	A
HC1, 3N	A	E	A	A
LACTIC, 3N	C	B	A	A
NITRIC, 3N	D	E	A	A
SULFURIC, <20%	A	B	A	A
SULFURIC, >20%	B	C	B	A
ALKALINES				
AMMONIA, 3N	A	A	-	A
POTASSIUM HYDROXIDE, 3N	A	-	A	A
SODIUM HYDROXIDE, <20%	A	A	A	A
SODIUM HYDROXIDE, >20%	C	A	-	A
AQUEOUS SOLUTIONS				
ALUMINUM CHLORIDE, 10%	B	-	A	A
AMMONIUM CHLORIDE, 10%	B	A	A	A
BLEACHING AGENT, 40%	A	E	-	-
BLEACHING AGENT, 100%	B	E	-	-
CALCIUM CHLORIDE, 40%	B	A	A	-
CAUSTIC SODA, 10%	A	A	-	-
FERRIC CHLORIDE, 10%	B	-	A	A
HYDROGEN PEROXIDE, 3%	A	A	A	A
MAGNESIUM CHLORIDE, 30%	B	-	A	A
POTASSIUM CHLORIDE, 40%	B	A	A	-
POTASSIUM DICHROMATE, 10%	B	C	A	-
POTASSIUM PERMANGANATE, 5%	D	D	A	-
SEA WATER	A	A	A	A
SODIUM BISULFATE, 10%	B	A	A	-
SODIUM CHLORIDE, 10%	B	B	A	-
SODIUM HYDROXIDE, PH 13	A	B	A	-

A = Excellent (0-3%)
B = Good (4-15%)
C = Fair (16-30%)

D = Poor (>30%)
E = Dissolves
- = N/A

	PU	Nylon	LLDPE	PVC
FUELS				
ASTM FUEL A	A	-	-	B
ASTM FUEL B	C	-	-	C
ASTM FUEL C	C	-	-	-
DIESEL FUEL	B	A	-	B
GASOHOL (10-15% METHANOL)	D	-	-	-
HIGH-TEST (SUPER) GASOLINE	D	A	-	-
KEROSENE	A	V	-	B
OILS				
ASTM OIL #1	A	-	-	B
ASTM OIL #2	A	-	-	-
ASTM OIL #3	A	-	-	B
BRAKE FLUID (ATE OR ATS)	D	A	-	-
GEAR BOX OIL (SAE 90)	A	-	-	-
HYDRAULIC FLUID	B	-	-	-
MINERAL OIL	A	A	C	A
MOTOR OIL	A	A	B	-
PARAFFIN OIL	A	A	B	-
POWER STEERING FLUID	B	-	-	-
SKYDROL® 500 OIL	D	-	-	-
GREASES				
CALCIUM GREASE	A	-	-	-
SODIUM GREASE	A	-	-	-
TEFLON® OIL	A	-	-	-
MISCELLANEOUS				
DIOCTYL PHTHALATE (DOP)	A	-	C	C
ETHYLENE CHLORIDE	B	C	D	-
ETHYLENE GLYCOL/WATER 50/50	B	-	-	A
HOUSEHOLD CLEANER	B	-	-	-
NAPTHA	A	-	A	B
SILAGE (SILO) JUICE	B	-	-	-
NATURAL PERSPIRATION	A	-	-	-
TINCTURE OF IODINE	D	-	-	-
TRICRESYL PHOSPHATE	D	-	-	C

Material Codes: PU = Polyurethane, LLDPE = Linear Low Density Polyethylene, PVC = Poly Vinyl Chloride

CAUTION: We have compiled this information as a guide for Tamco® tubing being used for chemical service. It may be considered as a basis for recommendation, but WE MAKE NO WARRANTY AS TO FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ANY MATERIALS PURCHASED. Materials should be tested under actual service conditions to determine their suitability for a particular purpose.

Chemical Resistance Chart for Tamco® Tubing

CHEMICAL	PU	Nylon	LLDPE	PVC
SOLVENTS				
ACETONE	D	A	D	C
ANILINE	D	B	B	B
BENZENE	D	A	D	C
BENZYL ALCOHOL	E	-	-	-
BUTANE	B	A	-	-
BUTYL ALCOHOL	D	A	A	-
CARBON TETRACHLORIDE	D	A	D	C
CHLOROBENZENE	D	C	D	C
CHLOROFORM	D	C	D	C
CYCLOHEXANE	C	A	-	A
ETHANOL	C	-	B	-
ETHER	C	A	-	-
ETHYL ACETATE	D	A	C	C
FREON 11, 12, 22	C	-	-	-
GLYCERINE & GLYCOL	A	A	B	A
HEPTANE	B	A	D	B
HEXANE	B	A	-	B
ISOPROPYL ALCOHOL	C	A	-	C
METHANOL	C	-	B	-
METHYL ACETATE	D	-	-	C
METHYL ETHYL KETONE	C	A	-	C
METHYL GLYCOL	D	-	-	-
METHYLENE CHLORIDE	D	E	D	C
N-METHYL PYRROLIDONE	E	-	-	-
PerchlorOETHYLENE	D	-	-	C
PETROLEUM	B	A	-	-
PYRIDINE	E	A	-	-
TETRCHLOROETHYLENE	D	-	-	C
TETRAHYDROFURAN	D	B	D	C
TOLUENE	D	A	D	C
TRICHLOROETHYLENE	D	C	D	C
TURPENTINE (PINE OIL)	B	A	C	B
XYLENE	D	A	-	C

A = Excellent (0-3%)
 B = Good (4-15%)
 C = Fair (16-30%)
 D = Poor (>30%)
 E = Dissolves
 - = N/A

Material Codes:

PU = Polyurethane

LLDPE = Linear Low Density Polyethylene

PVC = Poly Vinyl Chloride

*Teflon is a registered trademark of the Dupont Corporation.
 Skydrol is a registered trademark of Monsanto Company.*

CAUTION: We have compiled this information as a guide for Tamco® tubing being used for chemical service. It may be considered as a basis for recommendation, but WE MAKE NO WARRANTY AS TO FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ANY MATERIALS PURCHASED. Materials should be tested under actual service conditions to determine their suitability for a particular purpose.