



PVC (Poly-Vinyl-Chloride) Chemical Resistance Chart*

	Code	Chemical
ACIDS		ACETIC 10%
		ACETIC 50%
	2Aq	ACETIC 100%
		BENZOIC
	1Df	BENZENESULFONIC
	4A	CHLOROSULFONIC
	1D	CHROMIC 10%
	1A/3C	CHROMIC 50%
	4	CHROMIC 100%
	1D	CITRIC
	1A/4D	FORMIC
	1Af	HYDROBROMIC 10%
	4	HYDROBROMIC 50%
	4	HYDROBROMIC 100%
	1Aj	HYDROCHLORIC 10%
	2Dk	HYDROCHLORIC 50%
	4	HYDROCHLORIC 100%
	1Af/3Df	HYDROFLUORIC 10%
	1Au/3Dt	HYDROFLUORIC 50%
	4	HYDROFLUORIC 100%
	1A	NITRIC 10%
	2A/3C	NITRIC 50%
	4	FUMING NITRIC
	1D	OXALIC
	4	PHENOL 10%
	4	PHENOL 50%
	4	PHENOL 100%
	4	PHTHALIC ANHYDRIDE
	1A/2D	PHOSPHORIC 10%
	1A/2D	PHOSPHORIC 50%
4	PHOSPHORIC 100%	
4	SUCCINIC	
1A/1D	SULFURIC 10%	
1A/1D	SULFURIC 50%	
4	FUMING SULFURIC	
BASES	1E	AMMONIUM HYDROXIDE 10%
	4	AMMONIUM HYDROXIDE 50%
	4	AMMONIUM HYDROXIDE 100%
	4	ANILINE
	1E	BARIUM HYDROXIDE
	1E	CALCIUM HYDROXIDE
	4	HEXAMETHYLENE DIAMINE
	1E	MAGNESIUM HYDROXIDE
	4	PROPYL AMINE
	1D	SODIUM CARBONATE
	1D	SODIUM HYDROXIDE 10%
	1D	SODIUM HYDROXIDE 50%
	1D	SODIUM HYDROXIDE 100%
	1D	AMMONIUM NITRATE
	5	CALCIUM PHOSPHATE
	1D	CALCIUM SULFATE
	1D	FERROUS CHLORIDE
	1D	SODIUM ACETATE
1A/3D	SODIUM CHLORATE	
1D	SODIUM CHLORIDE	

	Code	Chemical
HALOGENS	4	BROMINE, LIQUID
	1D	CHLORINE, LIQUID
	4	IODINE, LIQUID
OXIDANTS	4	BENZOYL PEROXIDE
	4	CHLORINE DIOXIDE
	1D	HYDROGEN PEROXIDE 30%
	1D	HYDROGEN PEROXIDE 90%
	4	NITROGEN DIOXIDE
	3A	OZONE
	1D	POTASSIUM CHLORATE
	1Df	POTASSIUM PERMANGANATE
	1E	SODIUM HYPERCHLORITE
	1A	SULPHUR DIOXIDE
ALIPHATIC HYDROCARBONS	1E	ACETYLENE
	1E	BUTADIENE
	1A	BUTYLENE
	1A	GASOLINE
	1D	KEROSENE
	1D	MINERAL OILS
1D	NAPHTHA	
AROMATIC HYDROCARBONS	4	BENZENE
	4	NAPHTHLENE
	4	TOLUENE
HALOGENATED HYDROCARBONS	4	ALLYL CHLORIDE
	4	CARBON TETRACHLORIDE
	4	CHLOROBENZENE
	4	DICHLORETHYLENE
	4	ETHYLENE BROMIDE
	4	FREON, WET
	4	FREON, DRY
OXYGENATED SOLVENTS & ESTERS	4	ACETONE 10%
	4	ACETONE 50%
	4	ACETONE 100%
	4	ACETOPHENONE
	4	DIMETHYL FORMANIDE
	4	ETHYL ETHER
	4	ETHYL ACETATE
	4	ETHYL OXIDE
	1D	EHTYLENE GLYCOL
	1D	GLYCERINE
	2C	METHYL CELLOSOLVE
4	METHYL ETHYL KETONE	
4	TRIETHYL PHOSPHATE	
GASSES	1A	AMMONIA, ANHYDROUS
	1D	CARBON DIOXIDE
	1D	HYDROGEN
	1D	HYDROGEN SULFIDE
	1A	METHANE



PVC (Poly-Vinyl-Chloride) Chemical Resistance Chart KEY*

CODE EXPLANATION

RESISTANCE		TEMPERATURE ° F	
1	EXCELLENT RESISTANCE TO CHEMICAL ATTACK	A	70 °
		B	100 °
2	GOOD RESISTANCE TO CHEMICAL ATTACK - MAY HAVE SLIGHT SWELLING OR LOSS OF PROPERTIES	C	120 °
		D	140 °
		E	150 °
3	MARGINAL RESISTANCE TO CHEMICAL ATTACK - MAY CRACK, SWELL OR DISSOLVE. SUGGEST TESTING	F	170 °
		G	180 °
		H	200 °
4	NOT RECOMMENDED	I	212 °
		J	225 °
5	NO DATA	K	250 °
		L	275 °
		M	300 °
		N	480 °
		O	500 °
		P	575 °
		Q	BOILING

a	0.1
b	1
c	2
d	3
e	4
f	10
g	12 ½
h	15
I	20
j	30
k	40
l	50
m	60

n	98
o	2-5
p	5 15
q	50-75
r	dilute
s	wet
t	dry
u	saturated
v	concentrated
w	gas
x	100
y	70
z	vapors

* Information Provided by WESTLAKE PLASTICS COMPANY