KYNAR – PVDF (Poly-Vinyli-Dene-Fluoride) Chemical Resistance Chart*

	Code	Chemical
ACIDS	1J	ACETIC 10%
	1H/3J	ACETIC 50%
	1C/2E	ACETIC 100%
	1I	BENZOIC
	1C	BENZENESULFONIC
	4	CHLOROSULFONIC
	1F	CHROMIC 10%
	1C/3I	CHROMIC 50%
		CHROMIC 100%
	1L	CITRIC
	1K/3L	FORMIC
	1L	HYDROBROMIC 10%
	1L	HYDROBROMIC 50%
		HYDROBROMIC 100%
	1L	HYDROCHLORIC 10%
	1Lv	HYDROCHLORIC 50%
	1L	HYDROCHLORIC 100%
	1K	HYDROFLUORIC 10%
	1H	HYDROFLUORIC 50%
	1H	HYDROFLUORIC 100%
	1F/3I	NITRIC 10%
	1C/3F	NITRIC 50%
	4	FUMING NITRIC
	1A/3F	OXALIC
	1F/3I	PHENOL 10%
		PHENOL 50%
	1C/3F	PHENOL 100%
	1H/3I	PHTHLAC
	1L	PHOSPHORIC 10%
	1L	PHOSPHORIC 50%
	5	PHOSPHORIC 100%
	1E/3L	SUCCINIC
	1K	SULFURIC 10%
	1H	SULFURIC 50%
	4	FUMING SULFURIC
BASES		AMMONIUM HYDROXIDE 10%
		AMMONIUM HYDROXIDE 50%
	1H	AMMONIUM HYDROXIDE 100%
	1C/3F	ANILINE
	1L	BARIUM HYDROXIDE
	1L	CALCIUM HYDROXIDE
	4	HEXAMETHYLENE DIAMINE
	1L	MAGNESIUM HYDROXIDE
	4	PROPYL AMINE
	1L	SODIUM CARBONATE
	1G/3I	SODIUM HYDROXIDE 10%
	1C/3E	SODIUM HYDROXIDE 50%
	4	SODIUM HYDROXIDE 100%
SALTS	1L	AMMONIUM NITRATE
	1L	CALCIUM PHOSPHATE
	1L	CALCIUM SULFATE
	1L	FERROUS CHLORIDE
	1L	SODIUM ACETATE
	1K	SODIUM CHLORATE
	1K	SODIUM CHLORIDE

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

KYNAR – PVDF (Poly-Vinyli-Dene-Fluoride) 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 -	C	120 °
	MAY HAVE SLIGHT SWELLING OR LOSS OF PROPERTIES	D	140 °
		E	150 °
3	MARGINAL RESISTANCE TO CHEMICAL ATTACK -	F	170 °
	MAY CRACK, SWELL OR DISSOLVE. SUGGEST TESTING	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
ι	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