RYTON (Poly-Phenylene-Sulifde) Chemical Resistance Chart*

	Code	Chemical
ACIDS	1	ACETIC 10%
	1	ACETIC 50%
	1	ACETIC 100%
		BENZOIC
	1	BENZENESULFONIC
	4	CHLOROSULFONIC
	1	CHROMIC 10%
	2	CHROMIC 50%
		CHROMIC 100%
		CITRIC
	1	FORMIC
		HYDROBROMIC 10%
		HYDROBROMIC 50%
		HYDROBROMIC 100%
	4	HYDROCHLORIC 10%
	4	HYDROCHLORIC 50%
		HYDROCHLORIC 100%
	2	HYDROFLUORIC 10%
	2	HYDROFLUORIC 50%
	3	HYDROFLUORIC 100%
	4	NITRIC 10%
	2	NITRIC 50%
	2	FUMING NITRIC
		OXALIC
	1	PHENOL 10%
	1	PHENOL 50%
	1	PHENOL 100%
		PHTHALIC ANHYDRIDE
	1	PHOSPHORIC 10%
	1	PHOSPHORIC 50%
	1	PHOSPHORIC 100%
		SUCCINIC
	1	SULFURIC 10%
	2	SULFURIC 50%
	3	FUMING SULFURIC
BASES	1	AMMONIUM HYDROXIDE 10%
	1	AMMONIUM HYDROXIDE 50%
	1	AMMONIUM HYDROXIDE 100%
	1	ANILINE
	1	BARIUM HYDROXIDE
		CALCIUM HYDROXIDE
		HEXAMETHYLENE DIAMINE
	1	MAGNESIUM HYDROXIDE
		PROPYL AMINE
	1	SODIUM CARBONATE
	1	SODIUM HYDROXIDE 10%
	2	SODIUM HYDROXIDE 50%
	2	SODIUM HYDROXIDE 100%
SALTS	1	AMMONIUM NITRATE
		CALCIUM PHOSPHATE
	1	CALCIUM SULFATE
	1	FERROUS CHLORIDE
		SODIUM ACETATE
	1	SODIUM CHLORATE
	1	SODIUM CHLORIDE

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

RYTON (Poly-Phenylene-Sulifde) 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 THE DEETER GROUP LTD.