

LEGEND OF ABBREVIATIONS

PVC	= POLYVINYL CHLORIDE
HY	= HYTREL (Polyester Elastomer)
EVA	= ETHYLENE VINYL ACETATE
PU	= POLYURETHANE (ETHER / ESTER)
CR	= CHLOROPRENE RUBBER (NEOPRENE)
SI	= SILICONE RUBBER
PA6	= POLYAMIDE 6
TPK	= THERMOPLASTIC RUBBER (SANTOPRENE)
FPM	= VITON
CSM	= HYPALON (CHLOROSULFONATED POLYETHYLENE)

A	= Resistant
B	= Poorly Resistant
C	= Not Resistant
-	= Not Analysed

WARNING:

- The data contained in this document is based on the current knowledge and experience of Tecnica®.
- Because of the numerous influences during use of Tecnica products, users are obliged to conduct their own tests and experiments.
- The data provided in this document is purely approximate and therefore not binding nor does it legally guarantee certain characteristics or suitability for practical uses.

	PVC	HY	EVA	PU	CR	SI	PA	TPK	FPM	CSM
A										
Acetaldehyde	-	-	B	C	C	C	B	A	C	-
Acetic acid, 20%	C	A	A	C	A	A	C	A	C	A
Acetic acid, 30%	C	A	A	C	A	A	C	A	C	A
Acetic acid, glacial acetic acid	C	A	A	C	C	A	C	B	C	A
Acetic anhydride	C	B	C	C	A	C	-	B	C	A
Acetone	C	B	C	C	B	B	A	A	C	B
Acetylene	-	A	-	B	B	-	-	A	A	A
Aluminium chloride solutions	-	B	A	-	A	B	A	A	A	A
Aluminium sulfate solutions	A	B	A	A	A	A	A	A	A	A
Ammonium chloride solutions	-	A	-	C	A	-	-	A	A	A
Ammonium hydroxide solutions	-	B	-	-	A	-	-	A	A	A
Ammonium sulfate solutions	A	A	-	-	A	A	-	A	A	A

	PVC	HY	EVA	PU	CR	SI	PA	TPK	FPM	CSM
Amyl acetate	-	B	B	C	C	C	-	A	C	C
Amyl alcohol	C	A	-	C	A	C	-	A	A	A
Anhydrous ammonia	A	-	-	C	A	A	-	B	C	B
Anhydrous hydrofluoric acid	-	C	-	C	B	-	C	C	A	A
Aniline	C	C	B	C	C	-	B	B	A	B
Asphalt	A	B	-	C	B	C	-	C	A	B
ASTM oil n. 1	-	A	-	A	A	B	-	C	A	A
ASTM oil n. 3	-	A	-	B	A	C	-	C	A	B
ASTM reference fuel A	-	A	-	A	A	-	-	C	A	A
ASTM reference fuel B	-	A	-	C	C	-	-	C	A	C
ASTM reference fuel C	-	A	-	C	C	-	-	C	A	C
B										
Barium hydroxide solutions	-	B	-	C	A	A	-	A	A	A
Beer	-	A	-	A	A	A	-	A	A	A
Benzaldehyde	C	-	C	C	C	C	C	B	C	C
Benzene	C	B	C	C	C	C	A	C	B	C
Benzene chloride	-	-	-	-	C	-	-	C	B	C
Borax solutions	A	A	-	C	A	-	-	A	A	A
Boric acid solutions	A	A	-	C	A	A	B	A	A	A
Butane	C	A	-	A	A	-	-	B	A	A
Butyl acetate	C	B	B	C	C	C	A	C	C	C
Butyraldehyde	-	-	-	C	B	-	-	B	C	B
Butyric acid	-	B	-	-	C	-	-	C	B	B
C										
Calcium bisulfite solutions	-	-	-	A	A	A	-	B	A	A
Calcium chloride solutions	A	A	-	C	A	A	A	A	A	A
Calcium hydroxide solutions	-	B	-	C	A	A	-	A	A	A
Calcium hypochlorite, 5%	-	A	A	C	B	B	-	A	A	A
Calcium hypochlorite, 20%	-	-	A	C	B	B	-	A	A	A
Carbon dioxide (carbon anhydride)	-	A	A	B	A	A	-	B	A	A
Carbon monoxide	-	A	-	-	A	A	-	C	B	A
Carbon sulfide	C	-	C	C	C	-	A	B	A	C
Carbon tetrachloride	C	B	C	C	C	C	A	C	A	C
Castor oil	-	B	-	-	A	A	-	B	A	A
Chloroacetic acid	-	C	A	C	A	C	-	A	C	A
Chlorobenzene	C	C	C	B	C	C	A	C	A	C
Chloroform	C	C	C	C	C	C	C	C	A	C
Chlorosulfonic acid	C	C	C	C	C	-	-	C	C	C
Chromic acid, 10-50%	-	C	B	C	C	C	B	C	A	A
Citric acid solutions	A	A	-	C	A	A	-	A	A	A
Corrosive solution (20% nitric acid, 4% hydrofluoric acid)	-	-	C	-	-	C	-	-	C	A
Corrosive solution (20% nitric acid, 4% hydrofluoric acid)	-	C	-	-	C	-	-	C	A	A
Cotton seed oil	-	A	-	A	A	A	-	A	A	A
Creosote oil	-	-	-	-	C	-	-	C	A	C
Cupric chloride solutions	-	A	-	A	A	A	-	A	A	A
Cupric sulfate solutions	-	A	-	C	A	A	B	A	A	A
Cyclohexane	C	A	B	A	C	C	-	C	A	C
D										
Dibutyl phthalate	-	A	B	A	C	-	A	A	B	C

	PVC	HY	EVA	PU	CR	SI	PA	TPK	FPM	CSM
Diethyl ether	-	-	-	C	C	-	A	C	C	-
Diethyl sebacate	-	A	-	C	C	-	-	B	B	B
Diluted potassium hydroxide solutions	-	-	A	-	-	A	-	-	A	A
Diocetyl phthalate	-	A	-	C	C	C	A	B	B	C
Dowtherm	-	-	-	C	B	-	-	C	A	B
Dry chlorine gas	C	C	-	B	B	-	C	C	A	B
E										
Epichlorohydrin	-	C	-	C	-	-	-	B	C	B
Ethanol	-	A	A	B	A	A	A	A	A	A
Ethyl acetate	C	B	B	C	C	B	A	A	C	B
Ethyl chloride	-	C	-	B	C	C	-	B	A	C
Ethyl glycol	-	A	A	-	A	A	-	A	A	A
Ethylene chloride	C	C	-	C	B	B	-	B	A	C
Ethylene oxide	-	A	-	-	C	-	-	C	C	C
Exxon 2380 turbo oil (lubricant)	-	B	-	-	-	-	-	C	A	-
F										
Fluosilicic acid	-	B	-	C	A	C	-	B	B	A
Formaldehyde, 40%	C	B	A	C	A	-	A	A	A	A
Formic acid	-	B	A	C	A	B	C	A	B	A
Freon 11	-	A	B	-	A	C	-	C	A	A
Freon 12	-	A	B	-	A	C	A	B	A	A
Freon 22	-	-	B	-	A	C	-	C	C	A
Freon 113	-	A	B	-	A	-	-	C	A	A
Freon 114	-	A	B	-	A	-	-	C	B	A
Fuming nitric acid	-	C	-	C	C	C	C	C	B	C
Fuming sulfuric acid (20% oleum)	C	C	C	C	C	C	C	C	A	B
Furan	-	-	C	C	B	-	B	B	C	B
Fyrquel 220 (hydraulic fluid)	-	B	-	-	-	-	-	-	A	-
G										
Gaseous sulfur dioxide	A	B	-	C	A	A	-	A	B	A
Gasoline	C	A	B	A	B	C	A	B	A	B
Glue	-	A	-	A	A	-	-	A	A	A
Glycerine, 90%	A	A	A	C	A	A	A	A	A	A
H										
Hydrazine (diamide)	-	C	-	-	-	C	-	A	C	-
Hydrochloric acid, 20%	B	B	A	C	A	B	C	B	A	A
Hydrochloric acid, 37%	B	C	A	C	A	B	C	A	A	A
Hydrocyanic acid	-	B	-	-	A	-	-	A	A	A
Hydrofluoric acid, 48%	-	C	A	C	A	-	C	B	A	A
Hydrofluoric acid, 75%	-	C	A	C	B	-	C	C	B	A
Hydrogen	-	A	-	C	A	A	-	A	A	A
Hydrogen peroxide, 90%	-	-	A	C	B	-	C	B	A	A
Hydrogen sulfide	-	A	A	B	A	-	A	A	B	A
I										
Iron chloride solutions	A	B	-	-	A	A	A	A	A	A
Isooctane	C	A	B	B	A	C	-	C	A	A
Isopropyl alcohol	C	A	A	C	A	A	A	B	A	A
Isopropyl ether	-	-	B	C	C	-	-	C	C	B
J										
Jp-4 (fuel turbo jets)	-	A	-	-	C	-	-	C	A	A

	PVC	HY	EVA	PU	CR	SI	PA	TPK	FPM	CSM
Jp-5	-	-	-	-	C	-	-	C	A	C
Jp-6	-	-	-	-	C	-	-	C	A	C
K										
Kerosine	-	B	-	A	C	C	-	C	A	B
L										
Lactic acid	C	B	A	A	A	A	B	A	A	A
Liquid sulfur dioxide	A	B	-	C	A	-	-	A	B	A
Liquid anhydrous bromine	C	C	C	C	C	C	-	C	B	B
Linseed oil	-	B	B	B	A	-	-	B	A	A
Lubricating oils	-	A	-	-	B	C	-	C	A	B
M										
Magnesium chloride solutions	B	B	-	C	A	A	A	A	A	A
Magnesium hydroxide solutions	-	B	-	-	A	-	-	A	A	A
Mercuric chloride solutions	-	B	-	B	A	A	C	A	A	A
Mercury	A	A	A	A	A	A	A	A	A	A
Methyl alcohol	C	A	A	C	A	A	A	A	B	A
Methyl ethyl ketone	C	A	C	C	C	-	A	A	C	C
Methylene chloride	C	C	C	C	C	-	B	B	B	C
Mineral oil	C	A	-	B	A	A	A	C	A	A
Mobil XRM 206	-	B	-	-	-	-	-	-	A	-
N										
N-hexane	C	A	B	A	A	C	A	C	A	A
Naphtha	C	A	B	C	C	C	-	C	A	C
Naphthalene	C	B	B	C	C	C	-	C	A	C
Nitric acid, 10%	-	B	A	C	B	B	C	B	A	A
Nitric acid, 30%	-	C	A	C	C	B	C	B	A	A
Nitric acid, 60%	-	C	B	C	C	C	C	C	A	B
Nitric acid, 70%	-	C	C	C	C	C	C	C	A	C
Nitrobenzene	C	C	C	C	C	C	-	A	B	C
O										
Oleic acid	-	A	-	-	B	-	-	B	B	B
Oleum, 20-25%	C	C	C	C	C	C	C	C	A	B
P										
Pain solvents	-	B	-	-	C	-	-	C	C	C
Palmitic acid	-	A	-	B	B	-	-	B	A	B
Phenol	C	C	B	C	C	C	C	B	A	C
Phosphoric acid, 20%	A	-	A	C	A	-	C	A	A	A
Phosphoric acid, 60%	A	C	A	C	A	C	C	A	A	A
Phosphoric acid, 70%	B	C	A	C	A	C	C	A	A	A
Phosphoric acid, 85%	B	C	A	C	A	C	C	A	A	A
Picric acid	-	B	-	B	A	C	-	B	A	A
Potassium dichromate solutions	A	B	-	C	A	C	-	A	A	A
Pydraul 312	-	A	-	C	C	-	-	C	A	C
Pyridine	C	C	A	C	C	C	A	B	C	C
Q										
QFI 2023 (silicone brake fluid)	C	C	A	C	C	C	A	B	C	C
S										
SAE oil n. 10	-	A	-	-	C	-	-	C	A	C
Seawater	A	A	A	-	A	-	A	A	A	A
Shell turbine oil 307	-	B	-	-	B	-	-	C	B	B

	PVC	HY	EVA	PU	CR	SI	PA	TPK	FPM	CSM
Silicon grease/oil	-	A	A	A	A	C	-	A	A	A
Skydroll 500	-	A	-	C	C	B	-	A	C	C
Skylube 450	-	-	-	-	-	-	-	-	C	-
Soapy solutions	A	A	-	A	A	A	A	A	A	A
Sodium chloride solutions	-	A	-	C	A	A	A	A	A	A
Sodium dichromate, 20%	C	B	-	-	B	-	-	A	A	A
Sodium hydroxide, 20%	-	A	-	-	A	B	-	A	A	A
Sodium hydroxide, 46,5%	-	B	-	-	A	B	-	A	A	A
Sodium hydroxide, 50%	-	-	-	-	A	B	-	A	C	A
Sodium hydroxide, 73%	-	A	-	-	A	B	-	A	C	A
Sodium hypochlorite, 5%	A	A	A	C	A	B	-	A	A	A
Sodium hypochlorite, 20%	B	B	A	C	B	B	-	A	B	A
Sodium peroxide solutions	-	A	-	-	A	C	-	A	A	A
Soya seed oil	C	B	-	-	A	A	-	C	A	A
Stannic chloride	A	-	-	C	B	-	-	-	A	B
Stannic chloride, 15%	A	B	-	C	A	-	-	B	A	A
Steam (cf. water)	-	B	-	C	A	C	-	A	B	A
Stearic acid	A	B	A	A	B	A	-	B	B	B
Styrene	C	C	B	C	C	C	A	C	A	C
Sulfur, bulk	A	B	-	B	A	A	-	A	A	A
Sulfur trioxide	-	C	-	C	C	B	-	B	B	C
Sulfuric acid, up to 5%	A	A	A	C	A	A	C	A	A	A
Sulfuric acid, 5-10%	A	B	A	C	A	A	C	A	A	A
Sulfuric acid, 10-50%	B	C	A	C	A	-	C	B	A	A
Sulfuric acid, 50-80%	C	C	A	C	B	-	C	C	A	A
Sulfuric acid, 60%	C	C	A	C	B	-	C	C	A	A
Sulfuric acid, 90%	C	C	C	C	C	-	C	C	A	A
Sulfuric acid, 95%	C	C	C	C	C	-	C	C	A	A
Sulfurous acid	-	B	-	-	C	C	-	C	C	A
Sunoco XS 820 (PE lubricant)	-	B	-	-	-	-	-	C	A	-
T										
Tannic acid, 10%	-	A	-	A	A	B	-	A	A	A
Tartaric acid	-	B	-	-	A	A	-	B	A	A
Tetrachloroethylene	C	C	-	C	C	B	-	C	A	C
Tetrahydrofuran	C	-	C	C	C	C	A	C	C	C
Tributyl phosphate	-	-	-	-	C	-	-	C	C	C
Trichloroethylene	C	C	C	C	C	B	B	C	A	C
Tricresyl phosphate	-	-	-	B	C	C	-	A	A	C
Triethanolamine	C	C	B	C	A	-	-	A	C	A
Trisodium phosphate solutions	-	A	-	B	A	A	-	A	A	A
Toluene	C	B	C	C	C	C	A	C	B	C
Turpentine	C	-	-	C	C	C	-	C	A	C
W										
Water	A	A	A	C	A	A	A	A	A	A
Wet chlorine gas	C	C	C	C	C	-	C	C	B	B
Wood oil	-	B	-	-	A	-	-	C	A	A
X										
Xylene	C	A	C	C	C	C	A	C	A	C
Z										
Zinc chloride solutions	A	A	-	C	A	-	B	A	A	A