

Chemical Resistance Chart

	% AT 23°C	ACETAL	ACETAL MAX	ACRYLIC	HOPE	NYLON	NYLON MAX	PE 100	PEEK	PETP	PET MAX	POLYCARBONATE	POLYPROPYLENE	POLYURETHANE	PTFE	PVC	UHMWPE	UHMWPE ECO	UHMWPE MAX	UHMWPE MAX
ACETIC ACID	10	?	?	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ACETONE	5	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
AMMONIA SOLUTION	10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BENZENE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BITUMEN	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BLEACH	10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BORIC ACID	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BRAKE FLUID	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BUTANOL	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BUTYL ACETATE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
CALCIUM CHLORIDE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
CALCIUM HYPOCHLORITE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
CAUSTIC SODA	10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
CITRIC ACID	10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
CHLOROFORM	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
DIESEL	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
EDIBLE OILS	25	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
FORMALDEHYDE	5	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
FORMIC ACID	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
FRUIT JUICE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
GLYCERINE	0.4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
HYDROCHLORIC ACID	4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
HYDROFLUORIC ACID	30	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
HYDROGEN PEROXIDE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
KEROSENE	0.4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ISOPROPYL ALCOHOL	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
LACTIC ACID	10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
LINSEED OIL	30	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
METHANOL	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
METHYL ETHYL KETONE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
METHYLENE CHLORIDE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MILK	10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
NITRIC ACID	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
OZONE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
PARAFFIN OIL	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
PETROL	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
PHENOL	75	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
PHOSPHORIC ACID	3	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
POTASSIUM CHLORIDE	10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
PROPANE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
SOAP SOLUTIONS	50	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
SODIUM BICARBONATE	50	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
SODIUM HYPOCHLORITE	50	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
SODIUM NITRATE	50	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
SULPHUR DIOXIDE	2	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
SULPHURIC ACID	10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
TAR	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
TOLUENE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
TRICHLORETHYLENE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
TURPENTINE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
WATER	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
VINEGAR	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
XYLENE	100	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ZINC CHLORIDE	10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

The above is a guide only, please check and confirm with a Kormax representative. Chart is for materials used at 23°C. Higher temperatures will have significant impact on chemical resistance.

NO ATTACK, POSSIBLE SLIGHT ABSORPTION, LITTLE EFFECT ON MECHANICAL PROPERTIES

MODERATE ATTACK, MATERIAL WILL DECOMPOSE, NOT RECOMMENDED

SLIGHT ATTACK, SOME SWELLING, REDUCTION IN MECHANICAL PROPERTIES