Chemical Resistance Chart

Kormax®

	ACETIC ACID	ACETONE	AMMONIA SOLUTION	BENZENE	BITUMEN	BLEACH	BORIC ACID	BRAKE FLUID	BUTANOL	BUTYL ACETATE	CARBON TETRACHLORIDE	CALCIUM CHLORIDE	CALCIUM HYPOCHLORITE	CAUSTIC SODA	CITRIC ACID	CHLOROFORM	DIESEL	EDIBLE OILS	FORMALDEHYDE	FORMIC ACID	FRUIT JUICE	GLYCERINE	GLYCOL	HYDROCHLORIC ACID	HYDROFLUORIC ACID	HYDROGEN PEROXIDE	KEROSENE	ISOPROPYL ALCOHOL	LACTIC ACID	LINSEED OIL	METHANOL	METHY ETHYL KETONE	METHYLENE CHLORIDE	MILK	NITRIC ACID	OZONE	PARAFFIN OIL	PETROL	PHENOL	PHOSPHORIC ACID	POTASSIUM CHLORIDE	PROPANE	SOAP SOLUTIONS	SODIUM BICARBONATE	SODIUM HYPOCHLORITE	SODIUM NITRATE	SULPHUR DIOXIDE	SULPHURIC ACID	TAR	TOLUENE	TRICHLORETHYLENE	TURPENTINE	WATER	VINEGAR	XYLENE	ZINC CHLORIDE
% AT 23°C	10	5	10	100	100		10		100					10	10				25	5			100	0,4	4	30			10						10	100			75	3	10			50		50		2								10
ACETAL																																																									
Acetal POM-C	○	✓	✓	○	✓	×	○	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	×	✓	✓	✓	×	×	○	✓	✓	○	✓	✓	○	×	✓	○	×	✓	○	×	✓		✓	✓	×	✓	○	×		×	×	✓	✓	○	×	
POLYETHYLENE																																																						
HDPE		✓	✓	×			✓		✓		×		✓		✓	×		✓	✓		✓	✓		✓	○	✓		✓	✓	○		×	×	✓	✓	×		✓		✓	✓		✓	✓	✓	✓	✓	✓		×	×	×	✓	✓	×	✓
UHMWPE	✓	✓	✓	○	✓				✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	○	✓	✓	○	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		×	○	○	✓	✓	○	✓
UHMWPE Eco	✓	✓	✓	○	✓				✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	○	✓	✓	○	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		×	○	○	✓	✓	○	✓
NYLON																																																						
Nylon PA6	○	✓	○	✓	○	×	✓○	✓	○	✓	✓	✓	×	✓	○	×	✓		✓○	×	○	✓	✓	×	×	×	✓	✓	×	✓	✓	✓	○	✓	×	×	✓	✓	×	×	✓	✓	✓	✓	×	✓	○	×	○	✓	✓	✓	✓	×	×	×
Nylon PA6G	○	✓	○	✓	○	×	✓○	✓	○	✓	✓	✓	×	✓	○	×	✓		✓○	×	○	✓	✓	×	×	×	✓	✓	×	✓	✓	✓	○	✓	×	×	✓	✓	×	×	✓	✓	✓	✓	×	✓	○	×	○	✓	✓	✓	✓	×	×	×
Nylon PA6MG	○	✓	○	✓	○	×	✓○	✓	○	✓	✓	✓	×	✓	○	×	✓		✓○	×	○	✓	✓	×	×	×	✓	✓	×	✓	✓	✓	○	✓	×	×	✓	✓	×	×	✓	✓	✓	✓	×	✓	○	×	○	✓	✓	✓	✓	×	×	×
PERFORMANCE PLASTICS																																																						
PEEK	✓	✓	○	✓			✓		✓		✓		✓		✓	✓	✓	✓	✓	○	✓	✓		✓	×	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PETP	✓	✓	×	✓			✓		✓		✓		✓	○	✓	×	✓	✓	✓	○	✓	✓	✓	✓	○	✓	✓	○	✓		✓	✓	×	✓		○	✓	✓	×	✓	✓		✓	✓	✓	✓	✓	✓		✓	○	✓	✓	✓	✓	
PTFE	✓	✓	✓	✓	✓		✓		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ 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

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.

View our range at **kormax.com**

Enabling Engineering Victories