## Chemical resistance of PMMA products



- PMMA is a non-crystalline transparent polymer and is relatively good in chemical resistance.
- The chemical resistance of the product is affected greatly by its internal and external stress.
- The bigger the stress, the more easy to crack even using the same chemical. The listed chemicals as careful handling have to be cautious especially and will make a big different with stress.
- Crack happens easily when in contact with the plasticizers inside the packing materials. (Generally the DBP, DOP)

ydrocarbon  Ethanol, glycol, Glycerin, etc. e Engine oil, Kerosene, over, Rape-seed oil, Batter, etc.	Aromatic hydrocarbons  Benzene, Toluene, Xylene, etc.  Ketones  Acetone, Methyl ethyl ketone, etc.  Ethers  Diethyl ether, Tetrahydrofuran, etc.  Halogenated hydrocarbon
glycol, Glycerin, etc. e Engine oil, Kerosene,	Ketones  Acetone, Methyl ethyl ketone, etc.  Ethers  Diethyl ether, Tetrahydrofuran, etc.
glycol, Glycerin, etc. e Engine oil, Kerosene,	Acetone, Methyl ethyl ketone, etc.  Ethers  Diethyl ether, Tetrahydrofuran, etc.
e Engine oil, Kerosene,	Ethers Diethyl ether, Tetrahydrofuran, etc.
Engine oil, Kerosene,	Diethyl ether, Tetrahydrofuran, etc.
over, Rape-seed oil, Batter, etc.	Halogonatod hydrocarbon
	Halogeriated Trydrocarbon
tive agents	Chloroform, Carbon tetrachloride, etc.
(undiluted)	Esters
eaning agents (undiluted), etc.	Ethyl acetate, Butyl acetate, etc.
	Aldehydes, Amides
sing agents,	Form aldehyde, Dimethyl aldehyde, etc.
de, etc.	Organic acid
5	Formic acid, Acetic acid, etc.
hthalate (DOP),	Strong concentrated acids
hthalate(DBP), etc.	Hydrochloric acid (35%),
	Sulfuric acid (70%), Nitric acid (70%), etc.
9	de, etc.  s  phthalate (DOP),  phthalate(DBP), etc.

