

Chemical resistance MICALITE® CAST ACRYLIC SHEETS

Acid	change in appearance	Solvents and miscellaneous	change in appearance
acetic acid(5%)	none	acetone	dissolution
acetic acid(s.g.1.05)	dissolution	aniline	craze , whitening
chromic acid(40%)	dissolution	benzene	dissolution
citric acid(20%)	none	carbon tetrachloride	craze , whitening
formic acid(20%)	none	chloroform	dissolution
formic acid(40%)	dissolution	cotton oil	dissolution
hydrochloric acid(30%)	none	cresol	craze , whitening
hydrochloric acid(36%)	dissolution	cyclohexane	craze , whitening
hydrofluoric acid(20%)	none	diethyl ether	craze , whitening
hydrofluoric acid(40%)	dissolution	dimethyl formamide	dissolution
hydrogen peroxide(8%)	none	ethyl acetate	dissolution
lactic acid	none	ethylene dichloride	dissolution
nitric acid(40%)	none	ethylene glycol	none
nitric acid(70%)	craze , whitening	glycerin	none
nitric acid(95%)	dissolution	iso-octane	none
oleic acid	none	kerosene	none
phosphoric acid(30%)	none	mineral oil	none
sulfuric acid(30%)	none	olive oil	none
sulfuric acid(70%)	dissolution	naphthalene	craze , whitening
Alcohol		n-heptane	none
Butyl alcohol	craze , whitening	phenol solution(5%)	dissolution
Ethyl alcohol	craze , whitening	sea water	none
Methyl alcohol	craze , whitening	soap aqua solution(1%)	none
Gas		sodium carbonate(20%)	none
Ammonia	none	sodium chloride	none
Bromine	craze , whitening	sodium hydroxide(48%)	none
Carbon dioxide	none	transformer oil	none
Carbon monoxide	none	turpentine	none
Chlorine	craze, whitening	toluene	dissolution
Methane	none	water(distilled)	none
Oxygen	none	xylene	dissolution
Ozone	none		
Sulfur dioxide	none		

