

**Material compatibility test data**

- Effect on plastic, rubber -

(Weight change ratio [%] after immersing at boiling point x 5 minutes)

Test material categories	Asahi Klin AK-225	Methylene chloride Super M	Asahi Trichlor AL	Asahi Perchlor Super M	
P l a s t i c  m a t e r i a l s	Hard polyvinyl chloride (PVC)	<0.1	22.5	18.8	3.7
	Flexible polyvinyl chloride (PVC)	0.9	43.8	35.5	19
	Low-density polyethylene (LDPE)	0.3	0.3	Dissolved	Dissolved
	High-density polyethylene (HDPE)	0.1	0.4	4.7	5.3
	Polypropylene (PP)	0.1	0.6	8.6	22.9
	Polystyrene (PS)	0.4	Dissolved	Dissolved	Dissolved
	Polymethyl methacrylate (PMMA)	Crack	Dissolved	Dissolved	12.7
	Polycarbonate (PC)	<0.1	Dissolved	Dissolved	Crack
	Polyoxymethylene (POM)	<0.1	0.3	0.4	0.6
	Polyphenylene oxide (PPO)	<0.1	Dissolved	Dissolved	Dissolved
	Phenolic resin	<0.1	0.4	-0.1	0.1
	ABS resin	<0.1	Dissolved	Dissolved	14.9
	Nylon 6 (PA)	<0.1	0.2	-0.1	-0.2
	Nylon 66 (PA)	<0.1	0.2	-0.1	-0.2
	Polyethylene terephthalate (PET)	<0.1	2.4	2.6	1.6
	Polytetrafluoroethylene (PTFE)	<0.1	0	0	0.2
	Polychlorotrifluoroethylene (PCTFE)	<0.1	0.1	0.7	0.9
	Epoxy resin	<0.1	1.4	1.1	0.8
	Polyphenylene sulfide (PPS)	<0.1	-	-	-
Polybutylene terephthalate (PBT)	<0.1	-	-	-	
R u b b e r  m a t e r i a l s	Polysulfide rubber (T)	4.2	47.6	23.5	9.1
	Natural rubber (NR)	2.6	17.6	31.7	39.4
	Urethane rubber (U)	7.2	33.1	27.9	20.7
	Isobutylene isoprene rubber (IIR)	2.1	11.8	44.4	55.8
	Polychloroprene (CR)	1.7	21.2	28.5	32.5
	Fluoroelastomer (FKM)	4.6	2.4	1.4	2.2
	Chlorosulfonated polyethylene (CSM)	1.2	23.4	37.3	36.1
	Silicone rubber (Q)	32.4	35.3	58.3	56.9
	Nitrile rubber (NBR)	8.5	40.4	30.6	17.4
	Ethylene / Propylene rubber (EPDM)	2.7	17.9	51.4	58.5

Data listed below is not guaranteed and is for reference purposes only.

Please carry out test first and confirm that there is no effect.

For detailed corrosion data, see technical materials for each cleaning agent.