

常用材质适用表

化学名	俗名	Glass	PVDF	PP	PVC	SS 316	PMMA 压克力	Hastelloy	PTFE	FPM	EPDM	NBR	PE
		玻璃	聚偏(二)氟乙烯	聚丙烯	聚氯乙烯	不锈钢	聚甲基丙烯酸甲酯	哈氏合金	聚四氟乙烯	氟橡胶	三元乙丙橡胶	腈基丁二烯橡胶	聚乙烯
CH3COOH	乙酸	○	●	●	●	●	×	●	●	×	●	×	●
Al2 (SO4) 3	硫酸铝	●	●	●	●	●	●	●	●	●	●	●	●
R-NH2	氨基	●	○	●	×	●	?	●	●	×	○	×	●
Ca (OH) 2	石灰	●	●	●	●	●	●	●	●	●	●	●	●
Ca (OCl) 2	次氯酸钙	●	●	●	●	×	●	●	●	●	●	×	●
CuSO4	硫酸铜	●	●	●	●	●	●	●	●	●	●	●	●
FeCl3	三氯化铁	●	●	●	●	×	●	●	●	●	●	●	●
HF	氢氟酸	×	●	●	○	×	×	○	●	●	●	×	●
HCl	盐酸	●	●	●	●	×	●	●	●	●	●	×	●
H2O2	过氧化氢	●	●	●	●	●	×	●	●	●	●	○	●
HNO3	硝酸	●	●	○	×	○	×	●	●	●	●	×	○
H3PO4	磷酸	●	●	●	●	○	●	●	●	●	●	●	●
KMnO4	高锰酸钾	●	●	●	●	●	●	●	●	●	●	●	●
NaHSO3	亚硫酸氢钠	●	●	●	●	○	●	●	●	●	●	●	●
Na2CO3	纯碱	○	●	●	●	●	●	●	●	●	○	●	●
NaOH	氢氧化钠/火/烧/片碱	○	●	●	●	●	●	●	●	●	●	○	●
NaOCl + NaCl	漂白水	●	●	○	●	×	●	●	●	●	●	○	●
H2SO4 (85%)	硫酸	●	●	●	●	○	×	●	●	●	●	×	●
H2SO4 (98.5%)	硫酸	●	●	×	×	×	×	●	●	●	×	×	×
NH4OH	氨水	●	●	●	●	●	●	●	●	×	●	×	●

●—可以； ○—尚可； ×—不行； ?—未经测试

介质	聚丙烯 PP	PVDF ECTFE(Halair®)	铝合金 Alu	不锈钢 AISI 316	NBR (Perbunan®)	EPDM (Dutral®)	聚氨基甲酸酯 Polyurethane	PTFE (Teflon®)	PPS-V (Ryton®)	FPM (Viton®)	Santoprene®	PE-UHMW (Polizene®)
乙醛 CH3CHO	A1	D	B	A	D	A	—	A	A	D	—	B
乙酰胺 CH3CONH2	A1	C	A	A	A	A	—	A	A	B	—	—
醋酸乙烯酯 CH3COOCH:CH2	B1	A2	A1	B	D	B2	—	A2	—	A1	—	D
乙炔 C2H2	A1	A	A	A	B	A	D	A	A	A	—	—
醋酸 CH3COOH	A	B	D	A	B	A	D	A	A	A	—	A
丙酮 (CH3)2CO	A	D	A	A	D	A	D	A	A	D	A1	A2
脂肪胺 Fatty acids	A	A	A	A	B	D	D	A	—	A	D	A

A=很好; B=好; C=一般, 不推荐使用; D=不好, 不推荐使用; —=没有相关数据; 1=22℃以下耐蚀; 2=48℃以下耐蚀