

Chemical Compatibility

General Reference

Chemical	Formula	PVDF	PP	PTFE	PVC	PE	TFE/P	AISI 316	FPM Viton	EPDM Dutral
Acetic Acid	CH ₃ COOH	Yes	Yes (60%)	Yes	Yes (50%)	Yes (60%)	Yes (34%)	Yes	Yes	Yes (50%)
Acetone	CH ₃ COCH ₃	Yes	No	Yes	No	No	No	Yes	No	Yes
Aluminium Sulfate	Al (SO ₄) ₃	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Aluminium Phosphate	AlPO ₄	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ammonium Aluminium Sulfate	NH ₄ Al(SO ₄) ₂	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Calcium Bisulphate	Ca(HSO ₃) ₂	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Calcium Chloride	CaCl ₂	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Calcium Hypochlorite	Ca(OCl) ₂	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Calcium Sulfate	CaSO ₄	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hydrochloric Acid	HCl	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No
Hydrofluoric Acid	HF	Yes	Yes (60%)	Yes	Yes (30%)	Yes (60%)	Yes	No	Yes	No
Hydrogen Peroxide	H ₂ O ₂	Yes	Yes (30%)	Yes	Yes (30%)	Yes	Yes	Yes	Yes (30%)	Yes (30%)
Nitric Acid	HNO ₃	Yes	Yes (50%)	Yes	Yes (50%)	Yes (50%)	Yes	Yes (85%)	Yes (60%)	No
Peracetic Acid	C ₂ H ₄ O ₃	Yes	Yes	Yes	No	No	-	Yes	Yes	No
Potassium Hydroxide	KOH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Potassium Sulfate	K ₂ SO ₄	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sodium Carbonate	Na ₂ CO ₃	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sodium Bisulfate	NaHSO ₄	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sodium Chloride	NaCl	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Sodium Hydroxide (50%)	NaOH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Sodium Hypochlorite	NaOCl	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No
Sulfuric Acid	H ₂ SO ₄	Yes	Yes (50%)	Yes	Yes (60%)	Yes (50%)	Yes	No	Yes	Yes (50%)

This chart is the result of Etatron's practical experience. The resistance of the materials depends also on operating conditions, temperature, etc. This list is indicative only and no responsibility is accepted. In cases of doubt, always perform a test. For chemicals not listed please contact us. Please note that PTFE and PVDF are resistant against most chemicals (excluding fluorine for the first and ketones and esters for the second).