

防腐蝕材料選擇參考表

材 質	Concentration	Temp. (°C)	304SS	321SS	316SS	316LSS	316ILSS	310SSS	347SS	Carpenter 20	Inconel600	Nimonic	Hastelloy B	Hastelloy C-276	Hastelloy X	HASTELLOY系列中特別以提高耐熱性為主之合金。	Titanium	Monel	Tantalum	Teflon	Copper	Zirconium	Nickel	PVC	Cupro-nickel	Aluminium	Brass	Lead	Common steel	50Co-30Cr	Haynes alloy 25	
硫 酸	5% "	30 B.P	B	B	B	B	B	B	B	A	B	B	B	A	A	A	B	B	A	A	B	A	B	A	B	C	C	C	C	C	A	
	10% "	30 B.P	C	C	C	C	C	C	C	B	C	B	B	A	A	A	B	B	A	A	B	B	A	A	B	C	C	C	C	C	A	
	30% "	30 B.P	C	C	C	C	C	C	C	B	C	B	B	A	A	A	B	B	A	A	B	B	A	A	B	C	C	C	C	C	A	
	50% "	30 B.P	C	C	C	C	C	C	C	B	C	B	B	A	A	A	B	B	A	A	B	B	A	A	B	C	C	C	C	C	A	
鹽 酸	5% "	30 B.P	C	C	C	C	C	C	C	B	B	B	B	A	A	A	B	B	A	A	B	B	A	A	B	C	C	C	C	C	A	
	10% "	30 B.P	C	C	C	C	C	C	C	B	B	B	B	A	A	A	B	B	A	A	B	B	A	A	B	C	C	C	C	C	A	
	20% "	30 B.P	C	C	C	C	C	C	C	B	B	B	B	A	A	A	B	B	A	A	B	B	A	A	B	C	C	C	C	C	A	
	20% "	30 B.P	C	C	C	C	C	C	C	B	B	B	B	A	A	A	B	B	A	A	B	B	A	A	B	C	C	C	C	C	A	
硝 酸	20% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	C	C	B	C	C	C	C	C	C	C	A
	40% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	B	C	C	C	C	C	C	C	C	A
	75% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	B	C	C	C	C	C	C	C	C	A
	75% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	B	C	C	C	C	C	C	C	C	A
醋 酸	10% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	B	B	B	B	B	B	A
	50% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	B	B	B	B	B	B	A
	80% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	B	B	B	B	B	B	A
	80% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	B	B	B	B	B	B	A
磷 酸	5% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	C	C	C	C	C	C	A
	50% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	C	C	C	C	C	C	A
	85% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	C	C	C	C	C	C	A
	85% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B	C	C	C	C	C	C	A
氟 酸	30% "	30 B.P	C	C	C	C	C	C	C	C	A	B		A	C	C	C	B				A	C	C	C	C	C	C	C	C	C	A
	70% "	30 B.P	C	C	C	C	C	C	C	C	C	B		C	C	C	C	B				A	C	C	C	C	C	C	C	C	C	A
氯 化 氫		30 200 400	B B B	B B B	B B B	B B B	B B B	B B B	B B B	B B B	B B B	B B B	B B B	A A A	A A A	A A A				A A	A A									A A A	A A A	A A A
	10% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	B	B	B	B	B	B	B	A
	50% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	B	B	B	B	B	B	B	A
氫氧化鈉	70% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	B	B	B	B	B	B	B	A
	70% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	B	B	B	B	B	B	B	A
氫氧化鉀	25% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	B	C	C	C	C	C	C	C	A
	50% "	30 B.P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	B	C	C	C	C	C	C	C	A
氯 化 氫		30 30	C C	C C	C C	C C	C C	C C	C C	C C				A C	A C	A C				A A	A C				A A	C C	C C	C C	C C	C C	C C	A A
			C C	C C	C C	C C	C C	C C	C C	C C															A A	C C	C C	C C	C C	C C	C C	A A
氯 化 氫 氫 氣	5% "	20 C	C	C	C	C	C	C	C	C	C	A		A	A	A									C	C	C	C	C	C	C	A
	10% "	30 C	C	C	C	C	C	C	C	C	C	A		A	A	A									C	C	C	C	C	C	C	A
氫氧化鈉	10% B.P	30 B	A	A	A	A	A	A	A	A	A										A				A	C	C	C	C	C	C	A
	75% 100	100 B	A	A	A	A	A	A	A	A	A														A	C	C	C	C	C	C	A
三氧化硫	10% 200	200 A	A	A	A	A	A	A	A	A	A																					A
三氧化硫			A	A	A	A	A	A	A	A	A																					A
次氯酸鈉	10% 30	30 B	B	B	B	B	B	B	B	B	C	C	C	A	A	A					C	B	C	C								C
三氯甲烷	30 30	30 C	C	C	C	C	C	C	C												C			B	C	C						C
氟 化 鋁	50% 30	30 B			B																A		B	A	C							
脂 肪 酸	100 100	100 A	A	A	A	A	A	A	A	A	A																					
氯 化 鈉			A	A	A	A	A	A	A	A	A																					
氯 化 鈉			A	A	A	A	A	A	A	A	A																					
雙 氧 水			A	A	A	A	A	A	A	A	A																					
硫 化 鈣			A	A	A	A	A	A	A	A	A																					

備註：A：嚴酷條件下幾乎不受腐蝕 B：輕微腐蝕，重要部位以外可使用之材料 C：不被認定為適用之材料，嚴重腐蝕

上表為一般性之參考資料，實際使用時，請向本公司洽詢相關資料。