Chemicals: Chromic Acid - Phosphoric Acid (Mixed Chemical)

(A) **Excellent** = Recommended (B) **Good** = Recommended (C) **Fair** (limited life) (X) **Not Recommended**

Chemical	Concentration (%)	Temp. °C	Temp. °F	PVC	CPVC	PP	PVDF	TEFLON	VITON	EPDM	NITRILE
Chromic Acid	220	20	68	A	A	X	A	A	X	X	
		40	104	B	B		A	A			
Chromium Sulfate	1	60	140	B	B		A	A			
		80	176		B		A	A			
Sodium Silicofluroide	12 g/l	100	212				A	A			
		120	248				A	A			
Chromic Acid	350	20	68	A	A	X	A	A	X	X	
		40	104	B	B		A	A			
Sodium Silicofluroide	17	60	140	C	C		A	A			
		80	176				A	A			
Oxalix Acid	1 g/l	100	212				A	B			
		120	248				A	B			
Nitric Acid	15	20	68	A	A	A	A	A			
		40	104	A	A	A	A	A			
	(1:1)	60	140	B	B	B	A	A			
Hydrofluoric Acid		80	176	X	X		A	A			
	3	100	212				A	A			
		120	248				A	A			
Nitric Acid	15	20	68	A	A	A	A	A	A	A	
		40	104	A	A	A	A	A	A	B	
	(1:1)	60	140	B	C	X	A	A	B		
Hydrofluoric Acid		80	176	X	X		A	A	B		
	5	100	212				A	A	C		
		120	248				B	A	X		
Nitric Acid	15	20	68	A	B	B	A	A			
		40	104	B	C	B	A	A			
	(1:1)	60	140	B	C		A	A			
Hydrofluoric Acid		80	176	X	X		A	A			
	10	100	212				B	A			
		120	248				B	A			
Nitric Acid	15	20	68	A	B	B	A	A			
		40	104	B	C	B	A	A			
	(1:1)	60	140	B	C		A	A			
Hydrofluoric Acid		80	176	X	X		A	A			
	15	100	212				B	A			
		120	248				B	A			
Nitric Acid	5	20	68	A	A	A	A	A			
		40	104	B	B	B	A	A			
	(1:1)	60	140	B	B	B	A	A			
Hydrofluoric Acid		80	176	X	B	C	A	A			
	20	100	212				B	A			
		120	248				B	A			
Nitric Acid	50 100g	20	68	B	B	B	A	A			
		40	104	X	X	X	A	A			
		60	140				A	A			
Sulfuric Acid	50 100g	80	176				A	A			
		100	212				A	A			
		120	248				A	A			
Sulfuric Acid	2	20	68	A	A	X	A	A	A	B	
		40	104	A	A		A	A	B		
	(1:1)	60	140	B	B		A	A	C		
Chromic Acid		80	176		B		A	A	X		
	1	100	212		C		A	A			
		120	248				A	A			
Sulfuric Acid	10	20	68	A	B	X	A	A	A	B	
		40	104	B	B		A	A	B		
	(1:1)	60	140	C	X		A	A	C		
Chromic Acid		80	176				A	A			
	10	100	212				A	A			
		120	248				A	A			
Sulfuric Acid	10	20	68	A	B	X	A	A	B	C	
		40	104	B	B		A	A	C		
	(1:1)	60	140	C	X		A	A	X		
Chromic Acid		80	176				A	A			
	25	100	212				A	A			
		120	248				B	A			

Chemical	Concentration (%)	Temp. °C	Temp. °F	PVC	CPVC	PP	PVDF	TEFLON	VITON	EPDM	NITRILE
Sulfuric Acid	4	20	68	B	B	X	A	A	X	X	
		40	104	B	B		A	A			
		60	140		B		A	A			
Chromic Acid	400 g/l	80	176		C		A	A			
		100	212				A	A			
		120	248				B	A			
Sulfuric Acid	15	20	68	A	A	X	A	A	A	B	
		40	104	A	A		A	A	A	B	
Chromic Acid	5	60	140	B	B		A	A	B	C	
		80	176				A	A	C	X	
Phosphoric Acid	80 parts	100	212				A	A	X		
		120	248				A	A			
Sulfuric Acid	2	20	68	A	A	X	A	A	A	X	
		40	104	A	A		A	A	B		
Chromic Acid	10	60	140	B	B		A	A	C		
		80	176		B		A	A	X		
Water	80 parts	100	212				A	A			
		120	248				A	A			
Sulfuric Acid	0.7	20	68	A	A	X	A	A	X	X	
		40	104	A	A		A	A			
Chromic Acid	250	60	140	B	B		A	A			
		80	176		B		A	A			
Sodium Silicofluoride	1 g/l	100	212				A	A			
		120	248				A	A			
Sulfuric Acid	20	20	68	A	A	X	A	A	A	A	
		40	104	B	B		A	A	B	B	
	(1:1)	60	140	B	B		A	A	C	C	
Hydrofluoric Acid		80	176		C		A	A			
	10	100	212				A	A			
		120	248				B	A			
Sulfuric Acid	25	20	68	A	A	X	A	A			
		40	104	B	B		A	A			
	(1:1)	60	140	B	B		A	A			
Hydrofluoric Acid		80	176	X	X		A	A			
	15	100	212				B	A			
		120	248				B	A			
Sulfuric Acid	75	20	68	A	A	B	A	A			
		40	104	A	A	B	A	A			
Nitric Acid	5	60	140	B	B	C	A	A			
		80	176		B		A	A			
Chlorine Gas	Trace	100	212					A			
		120	248					A			
Sulfuric Acid	75	20	68	A	A	A	A	A	A	A	
		40	104	A	A	B	A	A	B	A	
	(1:1)	60	140	A	A	B	A	A	C	B	
Sulfurous Acid		80	176		B	B	A	A	X	C	
	4	100	212				A	A			
		120	248				A	A			
Sulfuric Acid	150	20	68	A	A	A	A	A	A	A	
		40	104	A	A	A	A	A	A	A	
Spelter	80	60	140	A	A	A	A	A	A	A	
		80	176		B	B	A	A	B	B	
Manganese Sulfate	2 g/l	100	212				A	A			
		120	248				A	A			
Sodium Sulfade	225	20	68	A	A	A	A	A	A	A	B
		40	104	A	A	A	A	A	A	A	
Sulfuric Acid	225	60	140		A	A	A	A	A	A	
		80	176		B	B	B	B	A		
Formaldehyde	50 g/l	100	212				B	B	A		
		120	248								
Sulfuric Acid	98	20	68				A	A			
		40	104				A	A			
	(1:1)	60	140				C	B			
Phosphoric Acid		80	176								
	80	100	212								
		120	248								

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