

ACIDS (C-168/23)		FR-4	G-3	G-5	G-11	C	CM	CG	L	X	XP	XPC
10% Acetic Acid	Visual	E	E	E	E	E	E	E	E	E	E	E
	Recom.	Good	Ok	Exec	Good	T-C	T-C	T-C	T-C	NR	T-C	T-C
10% HCl	Visual	E	E	F	E	F	E	E	E	E	G	E
	Recom.	EXEC	OK	T-C	OK	T-C	T-C	T-C	T-C	NR	T-C	T-C
10% H3PO4	Visual	E	E	E	E	E	E	E	E	G	F	E
	Recom.	GOOD	OK	OK	EXEC	OK	T-C	T-C	OK	T-C	T-C	T-C
10% H2PS4	Visual	E	E	G	F	E	E	E	E	G	G	E
	Recom.	EXEC	OK	OK	EXEC	T-C	T-C	T-C	OK	T-C	T-C	T-C
5% HNO3	Visual	E	E	G	E	E	E	E	E	E	E	G
	Recom.	GOOD	OK	OK	EXEC	T-C	T-C	T-C	OK	NR	T-C	T-C
BASES (C-168/23)		FR-4	G-3	G-5	G-11	C	CM	CG	L	X	XP	XPC
KOH	Visual	E	X	E	G	X	F	F	F	F	X	X
1 IN	Recom.	OK	T-C	OK	GOOD	NR	NR	NR	T-C	NR	NR	NR
NH4OH	Visual	E	G	E	E	E	E	E	E	G	E	G
1 IN	Recom.	OK	OK	GOOD	EXEC	T-C	T-C	T-C	T-C	NR	T-C	T-C
NAOH	Visual	E	F	E	E	F	X	X	F	X	X	X
1 IN	Recom.	GOOD	OK	GOOD	EXEC	T-C	NR	NR	NR	NR	NR	NR
SOLVENTS (C-168/23)		FR-4	G-3	G-5	G-11	C	CM	CG	L	X	XP	XPC
Acetone	Visual	G	G	E	G	F	E	E	E	G	X	X
	Recom.	T-C	OK	GOOD	T-C	T-C	GOOD	GOOD	GOOD	T-C	NR	NR
Methol Alcohol	Visual	G	E	E	E	E	E	E	E	E	E	X
	Recom.	T-C	GOOD	EXEC	T-C	T-C	OK	T-C	OK	NR	NR	NR
No Lead Gas	Visual	E	E	E	E	E	E	E	E	E	E	E
	Recom.	EXEC	EXEC	EXEC	EXEC	GOOD	EXEC	EXEC	EXEC	EXEC	EXEC	EXEC
Toluene	Visual	E	E	E	E	E	E	E	E	E	E	E
	Recom.	OK	GOOD	EXEC	GOOD	GOOD	EXEC	EXEC	EXEC	EXEC	OK	OK
TCE	Visual	E	E	E	E	E	E	E	E	E	E	E
	Recom.	T-C	EXEC	GOOD	T-C	GOOD	EXEC	EXEC	EXEC	EXEC	GOOD	OK
ATF (#220)	Visual	E	E	E	G	E	E	E	E	E	E	E
	Recom.	GOOD	GOOD	EXEC	GOOD	EXEC	GOOD	GOOD	GOOD	EXEC	GOOD	EXEC
ACIDS & BASES (E-24/38)		FR-4	G-3	G-5	G-11	C	CM	CG	L	X	XP	XPC
10% Acetic Acid	Visual	E	E	E	E	E	E	E	E	E	E	E
	Recom.	OK	GOOD	EXEC	GOOD	OK	T-C	T-C	OK	T-C	T-C	T-C
10% Hydrochloric Acid	Visual	E	E	G	E	F	E	E	G	G	E	E
	Recom.	GOOD	EXEC	T-C	GOOD	GOOD	T-C	T-C	OK	NR	T-C	T-C
5% HNO3	Visual	E	E	G	E	E	E	E	E	G	G	G
	Recom.	GOOD	OK	OK	EXEC	T-C	T-C	T-C	OK	NR	T-C	T-C
25% H3PO4	Visual	E	E	E	E	E	E	E	E	G	E	E
	Recom.	GOOD	OK	EXEC	EXEC	OK	OK	OK	OK	T-C	OK	T-C
NH4OH	Visual	E	E	E	E	E	E	E	E	E	E	G
1 IN	Recom.	EXEC	GOOD	EXEC	EXEC	T-C	T-C	T-C	OK	NR	T-C	T-C
NAOH	Visual	E	NA	E	EXEC	X	X	X	F	X	X	E
1 IN	Recom.	EXEC	EXEC	GOOD	EXEC	NR	NR	NR	T-C	NR	NR	NR

**KEY TO ABBREVIATIONS:**

**VISUAL**  
 E = Excellent  
 F = Fair  
 G = Good  
 N/D = No Data  
 X = Bad

**RECOMMENDATION**

EXEC = Excellent  
 GOOD = Good Resistance to Chemical  
 OK = May be used; minor changes in width and/or thickness <10%  
 T/C = Use caution because of thickness increase in chemical  
 NR = Not recommended for use in this chemical