

	FLUORINATED ETHYLENE PROPYLENE FEP TEFLON	PERFLUOROALKOXY PFA TEFLON	POLYTETRAFLUORO- ETHYLENE PTFE TEFLON	ETHYLENE TETRA- FLUOROETHYLENE ETFE TEFZEL	ETHYLENE CHLORO- TRIFLUORO ETHYLENE ECTFE HALAR	CHLOROTRIFLUORO- ETHYLENE CTFE KEL-F
2 ETHOXY ETHYL ACETATE	A to 300°F No chg, 30 days, 300°F	A to 200°F	A to 500°F	A to 300°F No chg, 30 days, 300°F	A to 200°F No chg, 30 days, 200°F	A to 200°F No chg, 30 days, 200°F
ETHYL ACETATE	A to 300°F +0.7% wt, 1 yr, 122°F No chg, 50 days, 200°F +0.7% wt, 14 days, 158°F	No chg, 11 days, 160°F	A to 500°F +0.7% wt, 1 yr, 122°F +0.7% wt, 14 days, 158°F	A to 100% to 150°F B 100% at 170°F -15% T.S., 7 days, 170°F	A to 150°F AB at 160-200°F NR at 212°F	A to 70°F AB at 122°F BC at 200-212°F +5.5% wt, 30 days, 77°F +6.5% wt, 7 days, 158°F +5.9% wt, 1 day, 170°F
ETHYL ACETOACETATE	A to 300°F	A to 450°F	A to 500°F	AB to 150°F	A to 150°F NR at 212°F	
ETHYL ACRYLATE (PROPIONIC ACID ETHYL ESTER)	A to 300°F	A to 450°F	A to 500°F	AB to 212°F	A to 122°F NR at 212°F	
ETHYLAMINE	A to 70°F		A to 500°F	A to 100°F		Variable at 70°F
ETHYL BENZENE	A to 125°F	A to 450°F	A to 500°F, permiable	AB to 70°F AC at 125°F	B at 70°F C at 122°F	
ETHYL BENZOATE	A to 125°F	A to 122°F *A to 200°F	A to 500°F	A to 70°F AB to 125°F	A to 70°F B at 122°F	A to 70°F +0.5% wt, 7 days, 77°F
ETHYL BROMIDE	A to 70°F		A to 500°F	A to 100% to 300°F		
ETHYL N-BUTYRATE	A to 125°F	A to 122°F *A to 200°F	A to 480°F	A to 70°F AB to 125°F	A to 70°F B at 122°F	A to 70°F +0.5% wt, 7 days, 77°F
ETHYL CELLOSOLVE	A to 300°F No chg, 50 days, 200°F	A to 400°F	A to 500°F No chg, 50 days, 200°F	A to 300°F No chg, 30 days, 300°F	A to 200°F AB to 300°F	A to 200°F No chg, 30 days, 200°F
ETHYL CELLULOSE	A to 70°F		A to 400°F		A to 70°F	A to 70°F
ETHYL CHLORIDE	A to 300°F, wet or dry	A to 450°F	A to 100% to 500°F wet or dry	A to 300°F	A to 200°F AB to 300°F	AB to 200°F
ETHYL CHLOROACETATE	A to 100% to 300°F	A to 100% to 450°F	A to 100% to 500°F	A to 100% to 212°F AB to 100% to 230°F	A to 100% to 140°F AB to 100% at 250°F	A to 100% to 125°F AB to 100% 212-284°F
ETHYL CHLOROFORMATE	A to 70°F		A to 500°F			
ETHYL CYANOACETATE	A to 300°F	A to 450°F	A to 500°F	A to 212°F		
ETHYL ETHER	A to 300°F	A to 450°F	A to 500°F, permiable	A to 200°F	A to 200°F +0.9% wt, 11 days, 73°F	A to 70°F +3.8% wt, 7 days, 77°F +5.6% wt, 14 days, 70°F +5.2% wt, 1 day, 95°F
ETHYL FORMATE	A to 70°F		A to 480°F		AB to 120°F NR at 212°F	A to 77°F +0.2% wt, 7 days, 77°F
ETHYL HEXYL ACRYLATE			A to 500°F			
ETHYL LACTATE	A to 122°F	A to 122°F	A to 122°F	A to 122°F	A to 122°F	
ETHYL METHYL KETONE	A to 300°F No chg, 30 days, 300°F No chg, 50 days, 200°F	A to 400°F -10% T.S., +0.4% wt, 7 days, 175°F	A to 500°F +0.4% wt, 11 days, 178°F No chg, 5 days, 70°F	A to 100% to 300°F No chg, 30 days, 300°F	A to 100°F NR at 175°F +1% wt, 11 days, 73°F -75% mod., 11 days, 175°F	A to 70°F AB at 120-200°F +0.2% wt, -0.5% vol., 7 days, 77°F
ETHYL PROPIONATE	A to 70°F		A to 500°F			A to 70°F +1.0% wt, 7 days, 77°F
ETHYL SILICATE	A to 70°F		A to 70°F			
ETHYL SULFATE	A to 70°F *A to 200°F	*A to 200°F	A to 500°F			A to 70°F
ETHYLENE	A to 70°F		A to 480°F			A to 70°F
ETHYLENE BROMIDE	A to 300°F	A to 450°F	A to 500°F, permiable	A to 300°F	A to 150°F AB to 300°F	B at 70°F +6.6% vol., 1 day, 131°F
ETHYLENE CHLORIDE	A to 100% to 300°F No chg, 50 days, 200°F	A to 450°F	A to 100% to 500°F, permiable	A to 100% to 300°F No chg, 30 days, 200°F	A to 122°F B/NR at 140-300°F No chg, 30 days, 100°F +9.5% wt, 11 days, 185°F	A to 122°F AB to 158°F C at 212°F 1.2% wt, 7 days, 158°F
ETHYLENE CHLOROHYDRIN	A to 300°F	A to 450°F	A to 500°F	A to 300°F	A to 70°F A/NR at 120-200°F	A to 200°F
ETHYLENE DIAMINE	A to 300°F No chg, 30 days, 200°F	A to 450°F -4% T.S., +0.1% wt, 7 days, 242°F	A to 500°F +0.1% wt, 11 days, 244°F	A to 125°F No chg, 30 days, 100°F	AB to 70°F NR at 120°F +0.2% wt, 11 days, 73°F Attacked at 245°F	NR at 70°F
ETHYLENE DIBROMIDE	A to 300°F	A to 450°F	A to 500°F, permiable	A to 300°F	A to 150°F AB to 300°F	B at 70°F +6.6% vol., 1 day, 131°F
ETHYLENE DICHLORIDE	A to 300°F No chg, 50 days, 200°F	A to 450°F	A to 500°F, permiable	A to 100% to 300°F No chg, 30 days, 200°F	A to 122°F B/NR at 140-300°F No chg, 30 days, 100°F +9.5% wt, 11 days, 185°F	A to 122°F AB to 158°F C at 212°F +1.2% wt, 7 days, 158°F
ETHYLENE GLYCOL (PRESTONE®)	A to 300°F No chg, 7 days, 70°F, 0-0.25% strain -10% T.S., 3 days, 180°F -14% T.S., 3 days, 180°F, 0.25% strain -10% T.S., 1 day, 300°F -12% T.S., 1 day, 300°F, 0.25% strain, All 20% glass	A to 450°F -0.1% T.S., 7 days 70°F -0.4% T.S., 3 days, 180°F -12% T.S., 3 days, 180°F, 0.25% strain -1.2% T.S., 1 day, 300°F -20% T.S., 1 day, 300°F, 0.25% strain, 25% glass	A to 500°F	A to 100% to 300°F -0% T.S., 7 days, 70°F -2% T.S., 3 days, 180°F -2.6% T.S., 3 days, 180°F, 0.25% strain -21% T.S., 1 day, 300°F -29% T.S., 1 day, 300°F, 0.25% strain, 20% glass	A to 200°F AB to 300°F No chg, 30 days, 200°F	A to 200°F No chg, 30 days, 200°F No chg, 7 days, 347°F

A <10% swelling, <15% loss of tensile strength, little or no chemical attack.
B <15% swelling, <30% loss of tensile strength, minor chemical attack.
C <20% swelling, <50% loss of tensile strength, moderate chemical attack.
NR >20% swelling, >50% loss of tensile strength, attacked or dissolved.