

None= 0 – 10% change Slight= 11-20% Moderate= 21- 30% Appreciable= 31-50% Degraded= >50%

Chemical	Concentration (%)	Temperature (Deg. °)	Time (HR)	Effect on Breaking Strength
ACIDS				
Acetic	40	20	96	Slight
Hydrochloric	10	20	142	None
Nitric	10	20	142	None
Phosphoric	10	20	96	None
Sulfuric	10	20	142	None
Sulfuric (battery acid)	30	20	96	None
Sulfuric	70	20	96	None
BASES				
Ammonium hydroxide	28	20	96	Slight
Sodium hydroxide	50	20	142	None
Sodium hydroxide	10	20	142	None
Sodium hydroxide (bleach)	.10	20	96	None
MISC				
Tap water	100	20	96	None
Brake fluid	100	20	168	None
Coca Cola (classic)	100	20	96	None
Transmission fluid	100	20	264	None
Hydraulic fluid	100	20	96	None
Motor oil, 10W40	100	20	96	None
Sodium chloride	5	20	96	None
ORGANIC SOLVENTS				
Acetone	100	20	96	None
Ethyl alcohol (denatured)	85	20	96	Slight
Methyl alcohol	100	20	96	None
Isopropyl alcohol	100	20	96	Slight
Gasoline (unleaded 87 octane)	100	20	264	None
Diesel fuel	100	20	96	None
Methyl ethyl ketone	100	20	96	None
Toluene	100	20	96	Slight