

Volumetric expansion coefficients of some common fluids

Liquid	Volumetric Coefficient of Expansion	
	(1/K, 1/degree C)	(1/degree F)
Acetic acid	0.0011	0.00061
Acetone	0.00143	0.00079
Alcohol, ethyl (ethanol)	0.00109	0.00061
Alcohol, methyl (methanol)	0.00118	0.00066
Ammonia	0.00245	0.00136
Aniline	0.00085	0.00047
Benzene	0.00125	0.00069
Bromine	0.0011	0.00061
Carbon disulfide	0.00119	0.00066
Carbon tetrachloride	0.00122	0.00068
Chloroform	0.00127	0.00071
Ether	0.0016	0.00089
Ethyl acetate	0.00138	0.00077
Ethylene glycol	0.00057	0.00032
Freon refrigerant R-12	0.0026	0.00144
n-Heptane	0.00124	0.00069
Isobutyl alcohol	0.00094	0.00052
Gasoline	0.001	0.00056
Glycerin (glycerol)	0.0005	0.00028
Kerosene	0.001	0.00056
Mercury	0.00018	0.0001
Methyl alcohol	0.00119	0.00066
Methyl iodide	0.0012	0.00067
n-Octane	0.00114	0.00063
Oil (unused engine oil)	0.0007	0.00039
Paraffin oil	0.000764	0.00042
Petroleum	0.001	0.00056
n-Pentane	0.00158	0.00088
Phenol	0.0009	0.0005
Sulphuric acid, concentrated	0.00055	0.00031
Toluene	0.00108	0.0006
Trichloroethylene	0.00117	0.00065
Turpentine	0.001	0.00056
Water	0.00018	0.0001