

Example Table:
Vapor-Liquid Equilibrium (p , T , x , y) Data

TABLE 1

Experimental (vapor + liquid) equilibrium data for temperature T , pressure p , liquid-phase mole fraction x , and gas-phase mole fraction y , for the system dimethylether (1) + diisopropylether (2).^a

T/K	p/MPa	x_1	y_1
293.04	0.560	0.4101	0.9705
293.04	0.467	0.3557	0.9636
293.04	0.400	0.3098	0.9561
293.04	0.335	0.2659	0.9468
293.04	0.263	0.2237	0.9366
312.93	0.768	0.4332	0.9511
312.93	0.656	0.3773	0.9392
312.93	0.525	0.3038	0.9199
312.93	0.447	0.2627	0.9087
312.93	0.335	0.2131	0.8834
332.90	0.935	0.3925	0.9033
332.90	0.823	0.3421	0.8898
332.90	0.666	0.2893	0.8678
332.90	0.459	0.2094	0.8203
332.90	0.374	0.1777	0.8010
352.70	1.130	0.3668	0.8544
352.70	1.001	0.3295	0.8385
352.70	0.840	0.2836	0.8092
352.70	0.670	0.2360	0.7775
352.70	0.498	0.1853	0.7366

^a $u(T) = 0.05$ K, $u(p) = 0.0035$ MPa, and $u(x_1) = u(y_1) = 0.001$.