

Isobaric phase equilibrium for the binary mixture of 2,3-butanediol + 2-methyl-1-pentanol at several pressure

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The isobaric Vapor-liquid equilibrium data were measured for the binary system of 2,3-butanediol + 2-methyl-1-pentanol at 101.3, 80, 60 and 40 kPa. All experimental data were correlated using the activity coefficient model such as NRTL and UNIQUAC. The average relative deviations of the Temperature (ARD-T (%)) and the average relative deviations of the vapor-phase composition (ARD-y (%)) between Experimental and calculated data were present and Binary parameter values from NRTL and UNIQUAC model was calculated.