

Vapor-liquid equilibria of the propane (HC-290) + 1, 1-difluoroethane (HFC-152a) System

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Binary vapor liquid equilibrium data were measured for the propane (HC-290) + 1, 1-difluoroethane (HFC-152a) system at temperatures from 313.15 K to 363.15 K. These experiments were carried out with a circulating-type apparatus with on-line gas chromatograph analysis. The experimental data were correlated well by the Peng-Robinson equation of state using the Wong-Sandler mixing rules.