

Phase behaviour of the ternary mixture system of Stereocomplex, dichloromethane and carbon dioxide

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Phase behavior data are presented for Stereocomplex (PLLA 50% / PDLA 50%) in supercritical mixtures of dichloromethane and carbon dioxide. Cloud point pressures were measured using a variable-volume view cell apparatus as functions of temperature, dichloromethane composition in a mixed solvent, molecular weight of PLLA at the polymer concentration of 0.01, 0.02 mass fraction in solution, and for temperatures up to about 363.15K. This system exhibited the characteristics of lower critical solution temperature phase behavior.