

VLE Measurement at Low Pressure in the Polycarbonate Polymerization Process

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Polycarbonate has been used widely because of its useful characteristics like thermal resistance, flexibility, transparency, high intensity, etc. Especially, the demands of high purity polycarbonate are getting larger in optical media industry in nowadays. As the concerns about environment, health and safety (EHS) are growing, the non-phosgene process has been replacing the phosgene process in the polycarbonate polymerization.

Methylphenyl carbonate (MPC) is an important intermediate in the process.

In this study, VLE data of the MPC-containing systems were measured with the T-P-x method under low pressure condition.