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# A NEW APPROACH TO MEASURING KINETIC PARAMETERS OF COPOLYMERISATION

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**SYNOPSIS.** Micromixing effects on copolymerization kinetic parameters at the exit of a tubular reactor have been evaluated using residence time distribution theories and sensitivity analysis approach. The influence is predicted to be more pronounced in a stirred tank reactor than in a partially segregated and plug-flow tubular reactor. Overall conversion and average copolymer composition are practically unaffected by the micromixing effects. However, the micromixing effects strongly influence the copolymer composition distribution.