

The Reactor Simulation of the Lurgi MTP Process Using gPROMS

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Most of natural gas reservoirs are located too far from potential markets for economic transportation. Therefore, the conversion of methane to methanol makes easier to transport long distances from remote gas sources to consumers. But, commercially effective process for the direct conversion of natural gas to olefins is not available. The increasing world demand of propylene and cost-attractive benefit make methanol-to-propylene process a good alternative for propylene supply. In this study, the detailed reactor simulation is conducted to improve MTP process using gPROMS.