

Styrene by TOTAL Fina/ Badger Process

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Abstract

Styrene consumption in the United States in 2017 was roughly 3.3 million metric tons/yr. Styrene is expected to grow at an average annual consumption rate of 0.8% during the time period 2017–19. In this review, we look at the production of styrene using Badger/TOTAL technology.

This review updates the process of Badger/Fina (legacy partner) technology that was presented in IHS Chemical (formerly SRI Consulting) PEP Report 33C, *Styrene*, published in March 1993. The focus of this review includes capital and production costs for 500,000 metric tons/yr of styrene product by a stand-alone plant. An interactive module is included—the iPEP Navigator for styrene—which provides a snapshot of the process economics and allows the user to select the units and global region of interest.

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