

## Ethylene Industry Market Research (China)

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With the fast progression of China's economy in recent years, there is an increasing demand for ethylene and downstream products. China ethylene industry is in the period of golden development for the moment. China's output of ethylene increases rapidly in recent years, and the production capacity was near to 10 million tons in 2006, and the output rose to 9.41 million tons (ranking the 2nd worldwide).

In 2006, Shanghai, Jiangsu, Beijing, Shandong, Jilin and Guangdong were the regions with the largest output of ethylene. The output in Shanghai, Jiangsu and Beijing arrived at 1.9382 million tons, 1.4017 million tons and 0.9908 million tons respectively, ranking the top three. The outputs took a respective share of 22.11%, 15.99% and 11.30%.

Seen from the changes in the production capacity, the added output was mainly brought by the fact that new projects had been put into production. Under the drive of 0.7-million-ton Ethylene Rehabilitation and Expansion Project of Jilin Petrochemical Complex, ethylene output in Jilin increased by 47.03%. Besides, as CSPC Nanhai project was put into production, ethylene output in Guangdong rose by 27.79%. Ethylene output of Jiangsu province grew 25.48% with the Yangtsi-BASF-project put into operation.

Judging from the newly built or modified ethylene projects at home, there will be a declining growth for China's output of ethylene in the next two years. Only 600 thousand tons or so will be released in 2007; and the output will stand at 2.85 million tons in 2008.

In the past fifteen years, ethylene equivalent consumption kept an annual growth of 16.1%, while annual growth of GDP was 9.3% in the same period. The coefficient of elasticity was 1.7. With continuous growth of national economy, urbanization and the progression of heavy industry in China, the demand of domestic market for ethylene and derivatives keeps growing. Ethylene equivalent demand in China will be up to 20.1 million tons, 21.88 million tons, 23.85 million tons, 26 million tons and 28.34 million tons respectively in 2006-2010.

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