Global & Chinese Needle Coke Industry - 2015

Description: According to different raw material, needle coke can be classified as coal-based and oil-based. Currently countries with scale needle coke production includes: USA, Britain and Japan. Among which, USA and Britain only produce oil-based needle coke, Japan can produce both kinds of needle coke.

The capacity of global needle coke industry is about 1.2 million tons in 2014, newly added 60000 tons all comes from coal-based needle coke in China. Phillips 66 is the world's largest oil-based needle coke manufacturer with total capacity of 0.37 million t/a. The world's largest coal-based needle coke manufacturer is C-Chem with total capacity of 0.17 million t/a.

In 2014, Baotailong's 50000 t/a and Deli Chemical's 10000 t/a needle coke plants have went into operation, which driven China's needle coke capacity to 0.3 million tons. Due to rich coal resources, coal-based needle coke accounts for nearly 83% of China's total capacity. The demand of needle coke in China has witnessed a decreasing trend since 2012, the demand gap in 2014 is 28000 tons.

Currently there are about 13 under construction and planned needle coke projects in China, most of these projects are coal-based, only Fangda Carbon New Material's planned 0.1 million t/a and Xiangtian New Material's planned project are oil-based. Oil-based needle coke is better for preparing UHP graphite electrode, the supply of oil-based needle coke is relatively strained, oil-based needle coke investment will most probably become the hotspot of Chinese needle coke industry.

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