

活性碳纖維在水處理中之應用

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摘要

Abundantly efficient absorption pore and narrow pore size distribution give ACF high absorption speed and desorption speed and large absorption capacity. But, it has limited application to absorb large molecular. In recent years, for opening up its application field, mesoporous ACF has being paid attention. The paper summarizes the essential discrimination of Activated Carbon Fibers (ACF) in structure, absorptive performance and principle of production compare to conventional activated carbons. Meanwhile, ACF has good conductivity, so it can be used as electrode to reduce the pollution effectively, such as municipal sewage, dye wastewater, and humic acid in water.

關鍵字: activated carbon fiber (ACF), absorption, water treatment