

Characteristics of SBA-16 Materials Synthesized by Microwave

김은주, 박상언*, 한상철, 이승철, 수잔디, 한대수
인하대학교 화학과
(separk@inha.ac.kr*)

A cubic mesoporous SBA-16 molecular sieve silica were synthesized by microwave reaction with in 2h using sodium meta silicate as the silica. Source and a triblock copolymer F127 as Structure directing agent.

The SBA-16 mesoporous material synthesized on the microwave condition compared with SBA-16 under hydrothermal synthesis. Microwave synthesized SBA-16 Mesoporous with high orderd morphology and hydrothermal stability associated with high SiO_4 cross linking was prepared through a Microwave irradiation.