

ethane fragments were embedded in the frameworks with the formation of ordered mesostructures. PMO with a high organic content (BTSE/TEOS=0.50) only showed a hydrophobic property. According to the same procedure, benzene groups were also integrated to a similar degree in the frameworks by using 1,4-bis(triethoxysilyl)benzene.

Keywords: aerosol-assisted synthesis, mesoporous material, surfactant, triblock copolymer, organosilica, sol-gel process, silica, hybrid material

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