

عنوان مقاله:

Comparison of the effect of treated kaolin and metakaolin as the matrices in the SAPO-34 spray-dried catalyst for converting methanol to light olefins

محل انتشار:

بیست و دومین کنگره بین المللی شیمی انجمن شیمی ایران (سال: 1403)

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خلاصه مقاله:

With using kaolin and metakaolin treated as matrix in the formation of SAPO-34 catalyst for thereaction of methanol to light olefins, the metakaolin-based SAPO-34 catalyst outperformed the kaolin-basedcatalyst with ۸۳% selectivity in MTO conversion. The selectivity of propene and ethane in both catalysts .wasaround ۷۲%. Both catalysts were stable for ۱۲۰۰-۱۵۰ minutes

کلمات کلیدی:

Methanol, kaolin, metakaolin, light olefin, matrix, SAPO-34

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