

Catalytic activity of ultra stable Y-type (USY) zeolite

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Abstract This paper presents the study's results on the influence of dealumination degree of ultra stable Y-type zeolite on the catalytic activity. Using a Micro Activity Test (MAT) unit have been tested the behavior of a series of USY zeolites with different dealumination degree in catalytic cracking process. Their high hydrothermal stability and low coke selectivity recommend this type of zeolite for FCC catalyst preparation in order to process residue feeds.

Keywords: dealumination degree, USY zeolites, cracking process.
