

Methane conversion - proceedings of a symposium on the production of fuels and chemicals from natural gas, Auckland, April 27-30, 1987

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MTG scaleup was conducted with catalyst bed lengths approximately equal to that expected for a commercial size reactor ref. Examples are given of cluster sizes of guest molecules in cages of several kinds. .

The Oxidative Coupling of Methane on Silica Supported Alkali and Alkaline Earth Oxides with Feedstream Doping by Tetrachloromethane

Sulphate-treated zirconia undergoes thermally induced recrystallization in a different manner from that displayed by sulphate-free zirconia.

Microporous

However, even taking preassemblies and other off-site work into account it was estimated that at least seven million of the nine million construction man-hours would be on-site labour. A thermodynamic equilibrium mixture of xylenes contains about 24% para-xylene. Figure 2 shows the product distribution obtained for reaction of methane with ethylene.

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. Baker Editors , Catalytic Materials; Relationship between structure and reactivity, A. The ZSM-5 catalyst deactivates not only temporarily by coke deposition but also permanently.

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The carbonyl stretches observed are closer to those observed in the gas phase or physisorbed species species A in figure 4 than they are to the

species that would be observed if complete proton transfer had occurred species C in figure 4. .

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. The distillate is hydrotreated and can be fractionated into various products. Preliminary differential thermal analysis DTA experiments indicated that the melting points of the salts were depressed in the reaction mixture.

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