

ABSTRACT

ZEOLITE Y ALKYLATION CATALYSTS

5 The present invention is directed to a zeolite Y catalyst having a controlled
6 macropore structure. The present invention is also directed to a zeolite Y
7 catalyst composite and a process for preparing the catalyst composite. The
8 catalyst composite exhibits reduced deactivation rates during the alkylation
9 process, thereby increasing the life of the catalyst. The present invention is
10 also directed to processes for the preparation of carbonated, overbased
11 aromatic sulfonates, which processes comprise alkylation, carbonation of
12 aromatic hydrocarbons with one or more olefins.