

Additions and Corrections

Gasoline Range Chemicals from Zeolite-catalysed Thermal Degradation of Polypropylene

Raphael C. Mordi, Roy Fields and John Dwyer

J. Chem. Soc., Chem. Commun., 1992, 374.

This communication included the comment 'for a given zeolite, as the Si : Al ratio increases the relative catalytic activity increases even though the activity per acid site remains constant at higher Si : Al. Therefore, for our degradation reactions H-ZSM-5 (Si : Al = 17) would be expected to have higher activity than H-mordenite (Si : Al = 8)'.

Whereas it is clear that for aluminium-rich zeolites activity per site increases as Si : Al increases this is not the case for zeolite frameworks with Si : Al > 7. Consequently, the differences in observed activity for H-ZSM-5 and H-mordenite probably represent differences in diffusive restrictions, and in rates of catalyst reactivation, for the two catalysts rather than differences in acid-site activity.

Earlier work at UMIST in this area should have been referred to: see G. N. Folefoc, MSc Diss., UMIST, 1981; H. Akpan, MSc Diss., UMIST, 1982; H. A. Masheye, MSc Diss., UMIST, 1983.