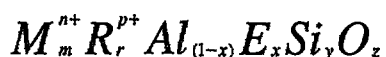


"UZM-5, UZM-5P and UZM-6: CRYSTALLINE
ALUMINOSILICATE ZEOLITES AND PROCESSES USING THE SAME"

ABSTRACT

A new family of crystalline alumino-silicate zeolites has been synthesized. These zeolites are represented by the empirical formula.



where M is an alkali or alkaline earth metal such as lithium and strontium, R is a nitrogen containing organic cation such as tetramethyl ammonium and E is a framework element such as gallium.

They are also characterized by unique x-ray diffraction patterns and have catalytic properties for carrying out various hydrocarbon conversion processes, especially isomerization of aromatic compounds and alkylation of aromatic compounds.