

Hydrodecyclization of Aromatics using Molybdenum and Tungsten based catalysts supported on Remblend's Kaolin

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Abstract

Nowadays researchers focus on the development of new processes friendly to the environment in order to apply the principles of a green chemistry. Our aim is to study the possibility of using catalysts using high-grade polyaromatic cuts. In this context, Kaolin Remblend was used to prepare two types of catalyst, the first being monometallic, consisting of molybdenum and the second being bimetallic consisting of molybdenum and tungsten. The feed used was the average aromatic extract, and the variation in the aromatic content was studied as a function of temperature and constant hydrogen pressure,

Keywords:

Hydrodecyclization, opening - cycle, Kaolin, Aromatic extract, Polyaromatic, Monoaromatic