

Abstract

Olefin Polymerization Process

A method is provided for regenerating a fixed bed of olefin polymerization catalyst which can be performed without taking the catalyst bed out of service. The method involves the use of two different olefin-containing feedstocks, wherein the first feedstock is a conventional olefin-containing feedstock which contains little if any content of aromatic compounds. The second feedstock contains a significant concentration of aromatic compounds. In the practice of the invention, the second feedstock is substituted for the first feedstock whenever catalyst regeneration is deemed appropriate, and the flow of the second feedstock to the catalyst bed is continued for a period of time which is effective to at least partially regenerate the catalyst.