

عنوان مقاله:

Propylene Demand from FCC Process an Experimental Investigation at Bench Reactor

محل انتشار:

پنجمین کنگره بین المللی مهندسی شیمی (سال: 1386)

تعداد صفحات اصل مقاله: 10

نویسندگان:

Amir Farshi - Research Institute of Petroleum Industry, Development Engineering department, RIPI -FCC plan

Yaghoub Behjat - Research Institute of Petroleum Industry, Development Engineering department, RIPI -FCC plan

خلاصه مقاله:

As is the case today, propylene produced from number of sources, both refinery and petrochemical complex based. On the refinery side, increased propylene production from FCC units, plays major role in supply of growing propylene demands. It is expected that FCC production increasing will come from revamps of existing FCC units as well as petrochemical focus, especially on propylene production, in new FCC units installed. Using high severity fluid catalytic cracking technology is one of the latest advances in this field. This paper presents process features, operating conditions and benefits of high severity fluid catalytic cracking process and the production method of propylene. Also a bench scale experimental investigation is studied for investigating propylene production yields. Results of the bench scale experiments evaluation, shows propylene production yield increasing in high severity FCC mode compared to conventional FCC mode. The experimental data evaluation at bench scale showed that at high temperature and high .ratio of catalyst to oil ratio the quantity of propylene compared to other component will be increased

کلمات کلیدی:

Fcc, Propylene, Demand, Experimental, Fluidized Bed

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/46258>

