

[HP]²-Catalyst

HP-High Propylene Catalyst

HPGRDC has developed a novel cost-effective multifunctional single catalyst for increasing the yield of propylene and reduces the yield of bottoms in high severity FCCU. The catalyst have the proper pore size distribution to enable large feed molecules to enter, crack into lighter products, and diffuse out before being over-cracked to coke and gas.

❖ Multifunctional Catalyst for HS-FCCU

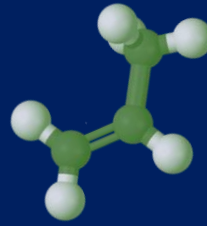
❖ > 20 % of Propylene with HT-VGO

❖ Lowers Dry gas & Coke

❖ Higher P/E ratio

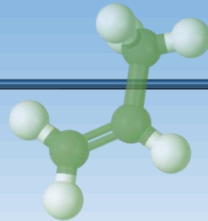
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Key Differentiators

- ❖ Utilization of functionalized zeolites
- ❖ Low attrition index (< 4) enable higher retention in the unit
- ❖ Higher hydrothermal stability
- ❖ higher yield of light olefins and LPG



Advantageous

- ❖ Cost effectiveness
- ❖ Enhanced conversion
- ❖ Higher Propylene and lower Bottom

