Honeywell UOP

CATALYSTS

UOP R-560 Platforming™ Catalyst

UOP's newest fixed-bed reforming catalyst for upgrading naphtha

Description

R-560 Platforming catalyst is UOP's latest traditional skewed platinum-rhenium, high yield and stability, naphtha reforming catalyst used to produce high-octane, high-aromatic reformate and hydrogen.

Applications

R-560 Platforming catalyst is used in fixed-bed, semi-regenerative reforming units to upgrade naphtha in the presence of hydrogen. R-560 Platforming catalyst can be loaded in units to produce motor fuel blending stocks for gasoline, BTX aromatics, or high-purity hydrogen for other refinery processes that consume hydrogen.

Experience

UOP R-560 Platforming catalyst is a new addition to UOP's fixed bed reforming catalyst portfolio, introduced in 2014. The new product builds on the success of UOP's proven R-56 Platforming catalyst with approximately 200 loads sold since its introduction in 1992. The commercialization is the culmination of an extensive research and development program to offer a commercially robust, high-stability, next generation fixed-bed reforming catalyst.

Physical Properties

ABD (sock), lb/ft^3 (kg/m^3)	46.0 (737)
ABD (dense) lb/ft^3 (kg/m^3)	49.0 (785)
Diameter, inch (mm)	1/16 (1.6)
Shape	Trilobed Extrudate
Metals	Platinum and Rhenium (skewed)
Promoter	None

R-560 Platforming catalyst can be supplied in the oxidized or reduced and sulfided form directly from UOP. Reduced and sulfided catalyst will provide the fastest start-up and on-spec production.



UOP's new R-560 Platforming catalyst provides the maximum protection from feed contaminants and unit upsets from its high density base, allowing higher yields over longer cycles for fixed-bed reforming units.

FEATURES & BENEFITS

R-560 Platforming catalyst has the following features and benefits to help maximize refining profits relative to other commercially available, semi-regenerative reforming catalysts:

- Proprietary high density base formulation provides both high activity and maximum tolerance to feed contaminants and non-ideal regeneration conditions
- Skewed Pt-Re formulation and trilobe shape provides excellent catalyst stability
- Extended cycle lengths achievable
- High C_5^+ and H_2 yields
- High aromatics yields

Safe Handling and Disposal

The handling, storage, transportation and disposal of R-560 Platforming catalyst is subject to governmental regulation, and you must manage it safely and in accordance with all applicable requirements.

Packaging

- 55 U.S. gallon (210 liter) steel drums
- Net weight per drum 130 kilograms

For more information
www.uop.com

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UOP4516-27a October 2016

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