Honeywell UOP

CATALYSTS

UOP R-256 Platforming™ Catalyst

For use in continuous regeneration reforming units for upgrading naphtha

Description

UOP's R-256 Platforming catalyst is a extra low platinum and low density catalyst used to produce high-octane reformate and hydrogen or aromatics and hydrogen. R-256 Platforming catalyst also contains a promoter that enables it to deliver superior yields.

Applications

R-256 Platforming catalyst is specifically designed for use in continuous regeneration reforming applications at all operating pressures. Continuous regeneration reforming units such as the CCR Platforming process uses a moving bed of spherical catalyst to convert low-quality naphtha, in the presence of hydrogen, into motor fuel blending stocks for gasoline, BTX aromatics and high-purity hydrogen for other refinery processes that consume hydrogen.

Experience

R-256 Platforming catalyst was introduced in 2013 and builds on the success of UOP's proven R-254 Platforming catalyst, with more than 10 loads since its introduction in 2010.

Physical Properties

Circulating ABD, lb/ft^3 (kg/m^3)	33.5 (537)
Static ABD, lb/ft^3 (kg/m^3)	35.0 (561)
Nominal diameter, inch (mm)	1/16 (1.6)
Shape	Sphere
Metals	Platinum

R-256 Platforming catalyst can be supplied in the oxidized or reduced form directly from UOP. Reduced catalyst will provide the fastest start-up and on-spec production.



R-256 Platforming catalyst delivers excellent product performance with the lowest platinum fill cost of any UOP Platforming catalyst.

FEATURES & BENEFITS

R-256 Platforming catalyst includes the following features and benefits to help maximize refinery profits relative to other commercially-available, continuous-regeneration reforming catalyst:

- Low platinum fill cost
- Excellent C_5^+ yields for motor fuel applications
- Excellent aromatics yields for BTX applications
- Excellent hydrogen yields
- High activity to maintain required feed rate and octane target
- Low coke make from optimized metals content and unique base formulation
- High yield stability over life of catalyst from robust formulation
- Long catalyst life from high strength base and high chloride retention
- Fast delivery from multiple UOP manufacturing locations worldwide including U.S., Europe and Asia

Safe Handling and Disposal

The handling, storage, transportation and disposal of R-256 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 110 kilograms

For more information

www.uop.com

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