CATALYSTS

UOP R-262
CCR Platforming™ Catalyst

For use in continuous regeneration reforming units for upgrading naphtha

Description

UOP's R-262 catalyst is a high platinum and high density catalyst used to produce high-octane reformate and hydrogen or aromatics and hydrogen. R-262 provides excellent performance despite higher than typical sulfur levels injected into feed to mitigate metal catalyzed coking (MCC).

Application

R-262 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

Since R-262 was commercialized in 2007, more than 5 loads have been sold.

Physical Properties

Circulating ABD, lb/ft^3 (kg/m^3)	40.0 (641)
Static ABD, lb/ft^3 (kg/m^3)	41.8 (670)
Nominal diameter, inch (mm)	1/16 (1.6)
Shape	Sphere
Metals	Contains Platinum

R-262 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-262 catalyst is also available in a lower platinum version.

Safe Handling and Disposal

The handling, storage, transportation and disposal of R-262 catalyst is subject to governmental regulation, and you must manage R-262 catalyst safely and in accordance with all applicable requirements.

Packaging

- 55 U.S. gallon (210 liter) steel drums
- Net weight per drum 125 kilograms

For more information

www.uop.com

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FEATURES & BENEFITS

R-262 catalyst includes the following features and benefits to help maximize refinery profits relative to other commercially-available, continuous-regeneration reforming catalyst:

- Excellent C_5^+ yields for motor fuel applications
- Excellent aromatics yields for BTX applications
- Excellent hydrogen yields
- Excellent 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