CATALYSTS

UOP R-264L CCR Reforming Catalyst

Reforming catalyst optimized for non-UOP licensed, continuous regeneration reforming units

Description

UOP's R-264L catalyst is a high-yield, high-activity, naphtha reforming catalyst used to produce high octane reformate, aromatics and hydrogen. R-264L is a member of UOP's R-260 high density catalyst family, leveraging the proven success of UOP R-262 and R-264 catalysts. R-264L is a larger diameter version of UOP R-264 catalyst, consistent with other available products. Similar to all UOP R-260 series catalysts, R-264L can be operated in either high-activity or high-yield modes, which are readily field adjustable.

Application

R-264L was designed and optimized to operate in continuous regeneration reforming units not licensed by UOP. This process employs 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-264L was introduced in 2010 and is an extension of UOP R-260 series catalysts, which have more than 75 applications worldwide, including several non-UOP continuous reforming units.

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, mm	1.8
Shape	Sphere
Metals	Contains Platinum

R-264L catalyst can be supplied in oxidized or reduced form directly from UOP. Reduced catalyst will provide the fastest start-up and on-spec production. R-262L is also available as a higher Pt version.



UOP's R-264L reforming catalyst provides high yields, activity, and stability, and is a drop-in replacement for non-UOP licensed, continuous regeneration reforming units.

FEATURES & BENEFITS

R-264L catalyst includes the following features and benefits to help maximize refining profits relative to other commercially available continuous regeneration reforming catalyst:

- Drop-in replacement
- Same diameter, density and Pt as competing products
- 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 USA, Europe and Asia

Safe Handling and Disposal

The handling, storage, transportation and disposal of R-264L catalyst is subject to governmental regulation, and you must manage R-264L catalyst safely and in accordance with all applicable requirements.

Packaging

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

For more information
www.uop.com

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UOP 4516-21a October 2016

Honeywell UOP