CATALYSTS

UOP RCY-425 Platforming™ Catalyst

UOP's next generation cyclic reforming catalyst for upgrading naphtha

Description

RCY-425 catalyst is UOP's next generation platinum rhenium, high stability, naphtha reforming catalyst used to produce high-octane, high-aromatic reformate and hydrogen.

Applications

RCY-425 catalyst is used in fixed-bed, cyclic reforming units to upgrade naphtha in the presence of hydrogen. RCY-425 catalyst can be loaded in units to produce motor fuel blending stocks for gasoline, BTX aromatics, and high-purity hydrogen for other refinery processes that consume hydrogen.

Experience

RCY-425 was commercialized in 2014 and is an extension of UOP's RCY-525 catalyst which has introduced in 2013 and has several sales.

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
Metals	Platinum and Rhenium
Promoter	None

The catalyst can be supplied in either the oxidized or the reduced and sulfided form.

Safe Handling and Disposal

The handling, storage, transportation and disposal of RCY-425 catalyst is subject to governmental regulation, and you must manage RCY-425 catalyst safely and in accordance with all applicable requirements.

Packaging

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



UOP's new RCY-425 catalyst design combines stability and activity improvements to obtain high yields and long cycles for cyclic reforming units under a wide range of regeneration conditions.

FEATURES & BENEFITS

- Excellent catalyst activity
- High C_5^+ and H_2 yields
- High aromatics yields
- Low rhenium content
- Regenerable under a wide range of regeneration conditions

For more information

www.uop.com

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