



R-132™ and R-134™ Catalysts

Reforming Catalyst

Description

R-130™ series reforming catalysts are used to produce high-octane reformate and hydrogen. R-132 catalyst is a high platinum version. R-134 catalyst is a lower platinum version.

Applications

R-130 series catalysts are specifically designed for use in continuous regeneration reforming applications and are excellent catalysts for low operating pressure reforming applications. 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.

Features and benefits

R-130 series catalysts have high activity and surface area stability. This series provides excellent performance for continuous regeneration applications:

- High C₅⁺ and hydrogen yields
- High aromatics selectivity
- Flexibility to increase yields and octane
- Low attrition
- Constant yield over the entire catalyst life
- Long catalyst life and high tolerance to multiple regeneration cycles

Experience

The R-132 catalyst was commercialized in 1992 and the R-134 catalyst was commercialized in 1993. Over 130 units have been loaded with R-130 series catalysts.

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
R-132 catalyst platinum, wt-%	0.375
R-134 catalyst platinum, wt-%	0.290

R-130 series catalyst can be supplied in oxidized or reduced form.

Packaging

- 55 U.S. gallon (210 liter) steel drums
- Net weight per drum of 250 pounds or 110 kilograms
- For shipments from North America, super sacks or flow bins are available upon request.

For more information

For more information, contact your local UOP representative or our Des Plaines sales office:

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