



HC™ 43 Catalyst

Hydrocracking Catalyst

Description

HC 43 catalyst is UOP's most widely used flexible hydrocracking catalyst. Flexible catalysts are used to generate high yields of either middle distillates or naphtha.

Applications

HC 43 catalyst is formulated for use in hydrocracking units that produce a blend of naphtha and distillate, or seasonally adjust operation between maximum naphtha and maximum distillate modes. This catalyst is particularly well-suited for the following hydrocracking unit flowschemes: single stage, once through, parallel flow, two stage. The main products from units using HC 43 catalyst are:

- Naphtha
- Jet A-1 / kerosene
- Diesel

Features and benefits

- Depending on the application, HC 43 catalyst produces higher distillate yields than HC 24 catalyst.
- HC 43 catalyst is also more active than DHC™ 41 catalyst.
- HC 43 catalyst produces high smoke point jet and high cetane diesel.
- HC 43 catalyst is also used to produce high yields of heavy naphtha while producing less LPG or light naphtha.
- The high metals content of HC 43 catalyst results in low deactivation rates and long cycle lengths.

Experience

UOP is the world's leading supplier of hydrocracking catalyst. HC 43 catalyst was commercialized in 1999 and is now the world's most widely used flexible hydrocracking catalyst. HC 43 catalyst continues to be successfully used in many units to produce high quality jet fuel and heavy naphtha.

Physical properties

	<u>HC 43LT catalyst</u>	<u>HC 43 catalyst</u>
Size	1/8" (3.2 mm)	1/16" (1.6 mm)
Shape	Tri-lobe Extrudate	Cylinder
ABD		
Dense	55.2 lb/ft ³ (884.2 kg/m ³)	57.5 lb/ft ³ (921.1 kg/m ³)
Sock	48.0 lb/ft ³ (768.9 kg/m ³)	50.0 lb/ft ³ (800.9 kg/m ³)

Packaging

- 55 U.S. gallon (210 liter) steel drums
- Net weight per drum of 325 pounds or 147.4 kilograms
- Super sacks are available upon request. Net weight 2275 pounds (1031.9 kg)

For more information

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

e-mail: info@uop.com
 fax: +1-847-391-2253
 phone: +1-847-391-2000

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