



UOP HS-10™ Catalyst

Isomerization Catalyst

Description

HS-10 catalyst is a fully regenerable, zeolitic, light paraffin isomerization catalyst containing platinum.

Application

HS-10 catalyst is optimized for use in UOP's fixed-bed zeolitic isomerization and TIP™ processes. The catalyst selectively converts pentane and hexane to higher-octane branched hydrocarbons for motor fuel. HS-10 catalyst also effectively saturates benzene to cyclohexane.

Features and benefits

- HS-10 is an active and stable zeolitic catalyst, providing high conversion to *iso*-paraffins with a close approach to equilibrium
- It is robust and fully regenerable. Hydrotreated feedstocks offer optimum performance and yield, but non-hydrotreated feedstocks can be effectively processed.
- HS-10 catalyst is capable of processing C₅/C₆ feeds with as much as 3 LV-% benzene, 5 LV-% C₇⁺ material and 200 ppm sulfur.
- Volumetric yields exceed 95%
- Effective benzene saturation
- Long catalyst life

Experience

HS-10 catalyst has been loaded into units worldwide and is the industry standard for zeolitic paraffin isomerization.

Physical properties

Shape	cylindrical extrudate
Nominal Diameter, inch (mm)	1/16 (1.6)
Sock loaded ABD, lb/ft ³ (kg/m ³)	42.5 (680)
Dense loaded ABD, lb/ft ³ (kg/m ³)	48.5 (777)
Metals	platinum

Packaging

- 55 U.S. gallon (210 liter) steel drums
- Net weight per drum of 300 pounds (136 kg)
- Super sack and flow bins available upon request.

For more information

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

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