

UOP GB-217 Adsorbent

Activated alumina adsorbent for sulfur removal from gaseous hydrocarbon streams

Protect your valuable assets from corrosive attack and reduce downtime by efficiently removing sulfur compounds from process streams.



Description

UOP GB-217 adsorbent is a non-regenerable spherical metal oxide adsorbent designed to remove sulfur compounds.

Features and benefits include:

- Optimized pore size distribution leading to higher capacity.
- High degree of macro-porosity for rapid adsorption and short mass transfer zone.
- High surface area substrate to optimize dispersion of the active metal oxide to extend bed life.
- Customized active metal oxide for ultra-low level impurity removal.
- Available in steel drums.

Application

GB-217 adsorbent is used as a guard bed to remove sulfur species from gaseous hydrocarbon streams. It is especially effective for removing H₂S, COS and light mercaptans from propylene, LPG and mixed C₄ streams, even at low contaminant levels or low operating temperatures. Typically, GB-217 adsorbent is used where adsorbent beds are operated in parallel, which effectively minimizes downtime when change outs are necessary.

Safe loading and unloading of the adsorbent from your equipment is imperative to ensure you realize the full potential of GB-217 adsorbent. For proper safety and handling, please contact your UOP representative.

Experience

UOP is the world's leading supplier of activated alumina adsorbents. GB-217 adsorbent is the latest generation adsorbent for impurity removal. The original GB series was commercialized in 2005 and has successfully operated under a variety of process conditions.

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Typical physical properties (nominal)

	<u>5X8 Beads</u>	<u>7X14 Beads</u>
Bulk density (lb/ft ³)	50	50
(kg/m ³)	801	801
Crush Strength* (lb)	10	6.5
(kg)	4.5	3

* Crush strength varies with the sphere diameter. The crush strength is based on an 8 mesh sphere.

Technical service

UOP has the products, expertise and processes that our refining, petrochemical and gas processing customers need for total solutions. From start to finish, our global sales, service and support staff are there to help ensure your process challenges are met with proven technology. Our extensive service offerings, coupled with our unmatched technical knowledge and experience, can help you focus on profitability.

For more information

For more information on GB-217 adsorbent or other UOP adsorbents, please contact your UOP representative or visit us online at www.uop.com.