

UOP D-201 Adsorbent

Adsorbent for water removal from a variety of process streams

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



Description

UOP D-201 spherical activated alumina adsorbent is designed to remove water from a variety of process streams. 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 extends bed life.
- High abrasion resistance to minimize bead breakdown.
- Regenerate adsorbent without heat.
- Available in either multiwall moisture proof bags, steel drums or quick load bags.

Application

D-201 activated alumina is specifically designed as a high-capacity, abrasion-resistant desiccant. Its excellent adsorption and desorption characteristics make it especially suitable for heatless (pressure swing) adsorption applications, such as dehydration and cryogenic air purification. If heat is available, D-201 adsorbent can be regenerated by purging or evacuation at elevated temperatures.

Safe loading and unloading of the adsorbent from your equipment is imperative to ensure you realize the full potential of D-201 adsorbent. For proper safety and handling, please contact your UOP representative.

Experience

UOP is the world's leading supplier of activated alumina adsorbents. D-201 adsorbent was commercialized in 1999 and has successfully operated under a variety of process conditions.

Typical physical properties (nominal)

	<u>5X8 Beads</u>
Bulk density (lb/ft ³)	47
(kg/m ³)	753
Crush strength* (lb _f)	>20
(N)	>89

* Crush strength varies with the sphere diameter. The crush strength is based on an 5 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 D-201 adsorbent or other UOP adsorbents, please contact your UOP representative or visit us online at www.uop.com.

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