



Adsorbents and Catalyst

ACTIVATED ALUMINAS

Selexsorb® CDO-200

Adsorbent with low soda, high Lewis acidity and very low Bronsted acidity

Product Information

Selexsorb® CDO-200 is a specially prepared alumina adsorbent with relatively low soda, high Lewis acidity, and very low Bronsted acidity. Selexsorb CDO-200 has proven its value in selectively removing oxygenated compounds and other Lewis bases from streams in which Bronsted acidity on the adsorbent would cause unwanted side reactions.

Some common Lewis bases are alcohols, aldehydes, peroxides, ketones, and other carboxylic acids, ethers, ammonia, nitriles, and HCN. Selexsorb CDO-200 is designed to minimize proton transfer that can be promoted by adsorbent Bronsted acidity. Selexsorb CDO-200 is available as 1/8" and 3/16" spheres and an assortment of custom-mesh sizes packaged in vapor barrier drums.

Applications

Applications for Selexsorb CDO-200 include purification of feed monomer, intermediate, or final products in the specialty polymer, fine chemical and pharmaceutical industries. Applications are typically of a proprietary nature and your application will be treated accordingly.

Selexsorb CDO-200 has proven to be particularly effective in the removal of oxygenated hydrocarbons from comonomer streams (hexene-1, octene-1) in polyethylene production processes.

Typical Properties of Selexsorb CDO-200

Physical

	1/8 inch (3.2mm)	3/16 inch(4.8mm)
Surface area (m ² /gram)	200	200
Total pore volume (cc/gram)	0.55	0.55
Crush strength lbs (kgs)	25 (16.3)	45 (20.4)
Packed bulk density lbs/ft ³ (kg/m ³)	48 (769)	48 (769)

Chemical

Al ₂ O ₃ (wt%)	96.6
SiO ₂ (wt%)	0.02
Fe ₂ O ₃ (wt%)	0.03
Na ₂ O (wt%)	0.30
LOI (250-1200°C) (wt%)	1.5

Information presented herein is believed to be accurate and reliable but is not intended to meet any specification and does not imply any guarantee or warranty by Almatis.

MSDS Number-595

PRODUCT DATA

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United States of America & Latin America

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