

Selexsorb[®] CDO

Alumina adsorbent

BASF Selexsorb CDO is a specially prepared alumina adsorbent with relatively low soda, high Lewis acidity and very low Bronsted acidity.

BASF Selexsorb CDO is available as spheres with a nominal diameter of 1/8" (approx. 3.2 mm).

Selexsorb CDO has proven valuable 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, carboxylic acids, ethers, ammonia, nitriles, and HCN. BASF Selexsorb CDO is designed to minimize proton transfer that can be promoted by adsorbent Bronsted acidity.

Product Applications

Applications for BASF Selexsorb CDO include purification of feed monomer, intermediate, or final

products in the specialty polymer, fine chemicals, and pharmaceutical industries. Applications are typically of a proprietary nature and will be treated accordingly.

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

Packaging

- 2000 lb super sacks

Delivery Point

- Vidalia, LA, U.S.A.

Typical Chemical Composition (%)	
Al ₂ O ₃	97.5
Na ₂ O	0.30
LOI (250-1100° C)	1.5

Typical Physical Properties	1/8 inch (3.2 mm)
Surface area, m ² /g	approx. 200
Crush strength, lbs (kg)	20 (9.0)
Pack bulk density, lbs/ft ³ (kg/m ³)	48 (770)

About Us

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

BASF - We create chemistry

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