

Selexsorb[®] CDN

Alumina based adsorbent for the removal of polar compounds

BASF Selexsorb[®] CDN is custom formulated to provide optimum adsorption for polar compounds (containing O, N or S) from liquid hydrocarbon streams.

Product Applications

BASF Selexsorb[®] CDN is custom formulated to remove oxygenated organic compounds (alcohols, ethers, aldehydes, carbonyls, ketones, peroxides, etc.) from liquid feed monomer, feed comonomer, and recycle solvent streams especially in polypropylene units. Polymerization catalyst deactivation is minimized through removal of these contaminants with BASF's selective adsorbents.

Other applications are the treatment e.g. of propylene containing streams coming from dehydrogenation units or being recovered from catalytic cracking units.

Selexsorb[®] CDN can be used instead of Selexsorb[®] CD or CDL. Selexsorb[®] CDN can also be used in combination with Selexsorb[®] COS and COSi or the newly developed Selexsorb[®] COSN. For further information, please contact BASF.

The maximum temperature during regeneration should be limited to 340°C / 640°F.

BASF Selexsorb[®] CDN is available as spheres with nominal sizes of 1/16" (7 x 14 Mesh) and 1/8" (4 x 8 Mesh)

For proper handling of the material, especially when bringing the adsorbent in contact with olefins, please contact BASF for further details.

Chemical Composition (%)

Al₂O₃ plus proprietary modifier	95.1
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LOI (250-1100° C)	4.5
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Typical Physical Properties	7x14 Tyler Mesh (2.0mm)	1/8" (3.2 mm)
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Surface Area, m²/g	Min. 370
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Crush Strength, N	Min. 25	Min. 80
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Bulk Density, kg/m³ (lbs/ft³)	690 (43)
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* These indicative properties do not represent process capabilities nor specifications.

Packaging

- 1 000 kg FIBC (super sacks)
- 136.2 kg steel drums

Shipping Point

Shanghai, P.R. China

About Us

BASF is a leading global manufacturer of catalysts for the chemical industry, with solutions across the chemical value chain. The business comprises chemical catalysts and adsorbents, refinery catalysts and custom catalysts. In the process catalysts business, priority is given to developing new and improved products that enable the chemical industry transformation to net-zero emissions.

The division's portfolio also includes battery materials and recycling solutions, as well as environmental catalysts and metal solutions. Customers from a variety of industries including Automotive & Transportation, Chemicals, Plastics or Energy & Resources benefit from our innovative solutions. Further information on BASF's Catalysts division is available on the Internet at www.catalysts.basf.com.

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