



We create chemistry

Product Data Sheet

Selexsorb SI

Spherical alumina for the removal of organosilicates

BASF Selexsorb[®] SI is a smooth, spherical alumina that is custom formulated to provide optimum adsorption of organosilicates.

BASF Selexsorb SI is available as 1/8" spheres packaged in vapor barrier drums and sling bins.

Results obtained before complete breakthrough in commercial tests gave capacity up to 6% as SiO₂.

Applications

BASF Selexsorb SI was developed to remove organosilicates from hydrotreater naphtha feed streams, thus protecting hydrotreater catalyst activity.

This is especially a concern when Refinery Delayed Coker units use silicon-based antifoams which are retained in the heavy coker naphtha. The organosilicates in the naphtha then deactivate the hydrotreater catalyst.

Packaging

- 2000 lb super sacks

Typical Chemical Properties (wt %)

Al ₂ O ₃ plus promoter	>90.5
Trace Impurities	0.4
LOI (250-1100° C)	6.5

Typical Physical Properties

	1/8 " (3.2 mm)
Surface Area, m ² /gram	>300
Crush Strength, lbs (kgs)	25 (11)
Abrasion Loss, wt %	0.1
Packed Bulk Density, lbs/ft ³ (kg/m ³)	48 (769)

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 Catalysts develop unique, proprietary catalyst and adsorbent solutions that drive customer success.

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