

Selexsorb® ST5

Improved Alumina based adsorbent for the removal of highly polar compounds from hydrocarbons

BASF Selexsorb® ST5 is custom formulated to provide improved adsorption of compounds like TBC and water from styrene and butadiene.

BASF Selexsorb® ST5 is available as spheres with a nominal size of 1/16" (1.5 mm, 7x14 Mesh).

In testing BASF Selexsorb® ST5 shows a significant improvement for the removal of TBC over Selexsorb® ST.

Product Applications

BASF Selexsorb® ST5 is ideal for the sacrificial removal of tert-butyl catechol (TBC), water and potentially other stabilizers from monomer streams such as styrene and butadiene.

The optimized pore size distribution of Selexsorb® ST5 allows to significantly reduce diffusion limitations and to achieve high capacity for molecules like TBC. It has also been specially formulated to reduce unwanted side reactions common to monomer process streams.

Uniform size distribution and low dust add to the effectiveness in liquid streams.

To provide optimum performance, the adsorbent should be dried out before putting it into use.

For proper handling the adsorbent in contact with monomers, please contact BASF for further details.

Typical Chemical Composition (%)

Al ₂ O ₃ plus promoter	93
--	----

Lol (250-1100°C)	6
------------------	---

Typical Physical Properties (%)

Surface Area, m ² /g	350
---------------------------------	-----

Crush Strength, lbs (kg)	9 (4)
--------------------------	-------

Packed Bulk Density, lbs/ft ³ (kg/m ³)	40 (640)
---	----------

Abrasion loss, wt. %	0.5
----------------------	-----

Packaging

1750 lbs super sacks (FIBC, 793,787 kg), net

Shipping Point

Vidalia, LA, USA

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 catalyst business, priority is given to developing new and improved products that enable the chemical industry transformation to net-zero emissions.

BASF's process catalysts business is part of the company's Performance Chemicals division. The division's portfolio also includes fuel and lubricant solutions, as well as oilfield chemicals and mining solutions. Customers from a variety of industries including Chemicals, Plastics, Consumer Goods, Energy & Resources and Automotive & Transportation benefit from our innovative solutions.

BASF - We create chemistry

Americas

BASF Corporation
Phone: +1-732-205-5000
Email: catalysts-americas@basf.com

Asia Pacific

BASF (China) Company Limited
P.R. China
Phone: +86-21-2039 2549
Email: catalysts-asia@basf.com

Europe, Middle East, Africa

BASF Services Europe GmbH
Phone: +49-30-2005 5000
Email: catalysts-europe@basf.com

chemical-catalysts-and-adsorbents.basf.com/global/en/adsorbents

Selexsorb is a trademark of BASF.

Although all statements and information in this publication are believed to be accurate and reliable, they are presented gratis and for guidance only, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH. Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required. © 2015 BASF

BASF- 10768 - 01/25