

Aerolyst® 3047

Silica Fixed Bed Catalyst Support

Aerolyst® 3047 is a high purity silica extrudate. It is produced from AEROSIL®, Evonik's high purity fumed silica.

The product combines the advantage of a pure, well controlled raw material with a narrow pore size distribution and no micropores as well as a high pore volume.

Applications:

- Catalyst support

Physical-Chemical Properties

Properties	Unit	Value
Appearance	-	White extrudates
SiO ₂ -content	wt. %	> 99.8
Diameter	mm	6.4 - 6.8
Bulk density*	kg/m ³	400 - 500
Pore volume	ml/g	0.8 - 1.0
BET surface area	m ² /g	140 - 180
Side crush strength	N	> 40

* The exact bulk density depends on the technology which is used to fill the reactor.

Packaging

- Aerolyst® 3047 is supplied in 210 liter steel drums, net weight is approx. 90 kg

Storage

- Drums should be protected from freezing, not exposed to direct sunlight and stored in a dry cool place

Additional Services

Depending on the business model, Evonik may provide the following additional services:

- Technical support including handling recommendations and safety data sheets
- Development of customized supports in the context of a project

Evonik Industries has been a leader in chemical catalysts for more than 75 years. Now as before, customers all over the world rely on Evonik as a competent and trusted partner. Today Evonik is a fully integrated partner in catalysis, featuring homogeneous and heterogeneous catalysis. This makes Evonik unique, and gives our customers the flexibility of finding the most cost efficient solution for their needs. Working with Evonik means having direct access to our regional technical and commercial organization. With a passion for the catalyst business our experienced teams strive for quick response times and high quality tailored solutions to your catalyst topic.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

Evonik Operations GmbH

Business Line Catalysts
Rodenbacher Chaussee 4
63457 Hanau
Germany
PHONE +49 6181 59-13399
FAX +49 6181 59-2699
catalysts@evonik.com
www.evonik.com/catalysts