

# **Product Information**

### SILICAGEL alumina beads

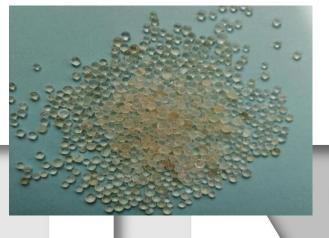
Date: 01 / 2019
Revision: 10

PI-No.: SG-18

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## **Product Description**

Alumino-silica gels, hard beads with high resistance to crushing and low attrition rate. Because of its large surface area SG-18 alumina beads exhibit a high adsorption for water vapour. The desiccant can be eactivated without significantly impairing the efficiency. It is therefore very conomical, easy to dispose of and without any known adverse effects on the environment.



**Formula** 

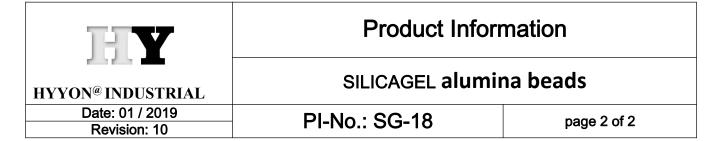
SiO<sub>2</sub>:97% (amorphous form of silica)

Al<sub>2</sub>O<sub>3</sub>: 3%

**CAS-No.** 1327-36-2

Physical and chemical	Adsorption capacity (at 23°C)	
Characteristics	at 10 % RH	min. 5.5%
	at 40 % RH	min. 18 %
	at 80 % RH	min. 42 %
	Moisture loss	max. 4.0 %
	Crushing strength	min. 80 N
	Attrition rate	min. 0.05 %

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Standard grain sizes	2 – 5 mm
	Other special gradings on request

ue to their high adsorptive capacity SG-18 alumina beads have a multitude of uses: Dynamic adsorption (removal of moisture from a continuously lowing gas or liquid stream) as well as static adsorption (removal of moisture and control of humidity in packaging and other enclosed spaces without induced air flow). Due to their special surface structure SG-18 alumina beads are preferably being used for the adsorption of water
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preferably being used for the adsorption of water
vapour and the recovery of heavy ydrocarbons
containing in natural gas. These hydrocarbons can be
recovered.
Airtight in 25 kg – bags, cartons, reconditioned 150 kg steel drums or 1000 kg-bulk bags with PE-Inliner
GG-18 must always be kept in airtight containers to avoid pre-adsorption with water vapour. Face masks should be used at continual exposure to extensive dusting.
Any details of application possibilities do not free the purchaser from the obligation of performing his own tests on the material supplied by the seller, in order to determine their suitability for the intended occesses and purposes. Application, use and processing of the material annot be controlled by the seller and are thus the sole responsibility of the purchaser.

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