

## BASF Durasorb™ HC

**BASF Durasorb™ is a family of products developed in combination with proprietary system design software for the purification of Natural Gas streams. Based on the long and successful history of BASF Sorbead® for hydrocarbon and water dewpointing, BASF Durasorb™ products are designed to work together to provide optimum solutions for the most difficult gas processing conditions, including retrofit of existing units.**

### Product Applications

Durasorb™ HC is a high performance, extremely robust silica gel adsorbent for simultaneous control of hydrocarbon dewpointing and dehydration of natural gas streams.

Durasorb™ HC is an aluminosilicate gel in the form of hard, spherical beads, with a very high resistance to crushing and a low attrition rate. Durasorb™ adsorbents have a longer life than most other adsorbents thus reduce operating costs.

Durasorb™ HC is used in combination with Durasorb™ HD in a Hydrocarbon Removal Unit (HRU), a custom-tailored installation that ensures most efficient removal of heavy hydrocarbons and water from natural gas. Durasorb HRU technology maximizes the overall performance and extends life of the bed.

### Physical Properties

<b>Chemical Composition</b>	96 wt % SiO <sub>2</sub> 4 wt % Al <sub>2</sub> O <sub>3</sub>
<b>Surface Area (BET)</b>	700 m <sup>2</sup> /g
<b>Pore Volume</b>	0.5 ml/g
<b>Equilibrium Capacity for Water Vapor at 25 °C</b>	5 wt % at 10% R.H. 45 wt % at 80% R.H.
<b>Packed Bulk Density</b>	700 kg/m <sup>3</sup>
<b>Crushing Strength</b>	170 N
<b>Attrition Rate</b>	0.1 wt. %

\* These indicative properties do not represent process capabilities nor specifications

### Typical distribution of grain size

- 2.0-5.0 mm

### Packaging

- 750 kg Big bag
- 130 kg Steel drum

## 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's Catalysts division develops unique, proprietary solutions that drive customer success.

**BASF - We create chemistry**

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