

BASF Durasorb™ AR

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™ AR is a high performance, extremely robust silica gel adsorbent for simultaneous control of hydrocarbon dewpointing and dehydration of natural gas streams. Durasorb™ AR is an acid resistant material specially developed for improved performance in high acid gas conditions.

Durasorb™ AR is an adsorbent with high water capacity and above-average drying capacity with a low desorption energy requirement. Due to the unique properties of Durasorb™ AR, the product experiences minimal product loss from attrition, demonstrates high mechanical strength, and leads to reliable operation.

Durasorb™ AR is used in combination with other products in the Durasorb™ portfolio to create a custom-tailored installation that ensures most efficient removal of heavy hydrocarbons and water from natural gas.

Physical Properties

Chemical Composition	96 wt % SiO ₂ 4 wt % Al ₂ O ₃
Surface Area (BET)	700 m ² /g
Equilibrium Capacity for Water Vapor at 25° C	6 wt% at 10% R.H. 36 wt% at 80% R.H.
Packed Bulk Density	0.8 kg/L
Crushing Strength	170 N

* These indicative properties do not represent process capabilities.

Typical distribution of grain size

- 2.0 – 5.0 mm

Packaging

- 850 kg Big bag
- 150 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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