

Durasorb™ HR4

BASF Durasorb™ is a family of products developed in combination with proprietary design software to complement each other for the purification of Natural Gas streams. Based on the long and successful history of BASF Sorbead® for hydrocarbon and water dew point control, 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

BASF Durasorb™ HR4 is a synthetic crystalline aluminosilicate 4A molecular sieve with a uniform pore structure. Durasorb™ HR4 is an innovative molecular sieve, specially created for higher stability in the toughest environments. BASF Durasorb™ HR4 exhibits high water adsorption capacity at low partial pressures and at temperatures up to 100 °C.

Durasorb™ HR is used in combination with Durasorb™ HD in a dehydration unit. This custom-tailored, layered installation ensures natural gas dehydration under most severe conditions. The design reliably solves retrograde condensation and regeneration-reflux problems, maximizing the overall performance and extending the life of the bed.

Typical Properties

Bulk Density, compacted (g/L)	770
Attrition (% wt)	<0.2
Crush Strength (N)	>50
Water Adsorption Capacity*, 55% relative humidity, 20 °C (% wt)	>20

These indicative properties do not represent process capabilities nor specifications.

Typical distribution of grain size

- 1.6 – 2.5 mm
- 2.5 – 5.0 mm

Packaging

- 800 kg Big bag
- 135 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

Americas

BASF Corporation
25 Middlesex/Essex Turnpike
Iselin, New Jersey, 08830, USA
Tel : +1-732-205-5000
Fax: +1-732-205-7725
Email: catalysts-america@basf.com

Asia Pacific

BASF (China) Company Limited
300 Jiang Xin Sha Road,
Pudong, Shanghai 200137
P.R. China
Tel: +86-21-2039 2549
Fax: +86-21-2039 4800-2549
Email: catalysts-asia@basf.com

Europe, Middle East, Africa

BASF De Meern BV Catalysts
The Netherlands
Tel: +31-30-666 9437
Email: catalysts-europe@basf.com

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-10437 Rev. 09/20