

E 315 S 1/8"

Lead Oxide on Alumina Spheres

BASF Adsorbent E 315 is a spherical adsorbent for removing arsine and sulfur compounds from hydrocarbon streams in the presence of hydrogen or multiple unsaturated components.

BASF E 315 is produced as lead oxide on a proprietary spherical alumina carrier with a nominal diameter of 1/8" (approx. 3.2 mm). It is designed for the removal of trace levels of arsine and sulfur from gaseous and liquid petrochemical feedstocks and process streams.

E 315 is applicable for the purification of hydrogen-rich gases (e.g. cracked gases), where other metal oxides cannot be used due to their reactivity toward the hydrogen content in the gas stream.

Because E 315 does not promote polymer formation, it is widely used for streams containing acetylenes or dienes, which tend to foul other types of guard bed materials. E 315 is excellent e.g. for C2 and C3 guard beds in steam crackers.

Operating Temperature

Process and composition dependent: typically ambient up to 60 – 80°C (140 – 175°F). The catalyst itself is stable up to temperatures of 350°C (660°F).

Before using the material, a drying step is recommended. Please contact BASF for further details.

Alternative Products

Newer alternatives are combinations of

- PuriStar R9-PAR S3
- PuriStar R9-SR S3

Details on these products can be found in the respective product data sheets. Please contact BASF for further details.

A similar product with lead oxide on extrudates as carrier and offered under the trade name PuriStar® R9-12 has been discontinued.

Chemical Analysis

Pb, wt %	18-21
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Typical Properties

Bulk Density, kg/l	~ 0,96
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Crush Strength, lbs / N	Min. 10 / 40
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* These indicative properties do not represent process capabilities nor specifications.

Packaging

- 55 gallon (208 liter) steel drums

Weight

- 350 lbs / 158,759 kg net per drum

Shipping Point

- Natchez, Mississippi, USA

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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