

Durasorb™ HG

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. Durasorb™ HG is a high-performance mercury removal adsorbent for natural gas processing applications.

Product application

Durasorb™ HG removes mercury in natural gas streams to levels below 0.01 µg/Nm³, protecting downstream piping and machinery and providing a natural gas stream that complies with environmental regulations. Durasorb™ HG is suitable for projects requiring cryogenic specifications and pipeline specifications.

Physical characteristics

Durasorb HG is a non-regenerable, mixed metal oxide mercury removal adsorbent containing a dispersed and promoted copper sulfide phase. The active component and proprietary promoters are dispersed over a high surface area alumina support. Durasorb™ HG is a mechanically robust adsorbent exhibiting no significant dusting or crushing on loading/unloading steps.

Product features

- Does not require sulfiding agents
- Designed to operate in wet conditions
- High mercury capacity
- High crush strength and attrition resistance

Packaging

- Shipping Point: Elyria, OH, USA
- 130 kg Steel drum

Physical Properties

Particle size	Spheres, nominal 1/8" dia.
Copper, as metal (wt %)	10
Effective bed Hg capacity at saturation (wt %)	>6
LOI (wt %)	6-8
N ₂ BET (m ² /g)	>200
N ₂ PV (ml/g)	0.35
Bulk Density, sulfided (kg/m ³)	750-800
Crush Strength (N)	>15

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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