Selexsorb® HG

Pelletized adsorbent for the removal of mercury from dry gas

BASF Selexsorb® HG is a promoted and steam activated carbon that provides optimal removal of mercury (Hg) from various gas streams.

This product is available in pellets with a diameter of 4 mm (4x6 mesh).

Applications

1. BASF Selexsorb HG is designed to remove mercury vapor from natural gas, air, hydrogen and other gas streams. Selexsorb HG has proven its capacity for mercury and its ability to achieve less than 0.1 ppb(v) mercury vapor effluent concentrations in mercury cell type plants and natural gas processing plants.

2. In liquefied natural gas processing plants, Selexsorb HG protects aluminum heat exchangers from corrosion.

3. Selexsorb HG is appropriate for removal of trace mercury from vapor phase hydrocarbon (saturated and unsaturated) streams in petrochemical production processes.

Selexsorb HG is used only in dry streams as free water or humidity will interfere with the adsorption of Hg.

Packaging

- 500kg FIBC (flexible intermediate bulk container)

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Area, Base Carbon, N₂ BET (ASTM D-2854), m²/g</td>
<td>1000</td>
</tr>
<tr>
<td>Hardness – Base Carbon (ASTM D-3802), %</td>
<td>95</td>
</tr>
<tr>
<td>Moisture Content (ASTM D-2867), wt %</td>
<td>3</td>
</tr>
<tr>
<td>Packed Bulk Density, lbs/ft³ (kg/m³)</td>
<td>34 (550)</td>
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</tbody>
</table>

The typical physical properties are indicated for reference only and do not represent any specification of the product.

Caution:

Oxygen is removed from air by wet activated carbon. Asphyxiation hazard exists inside vessels.
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.

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