



The Chemical Company

Product Data Sheet

D-1275 E 1/16" 3F

Sulfur Guard Bed Adsorbent

BASF D-1275 is a special adsorbent in trilobe form which provides efficient removal of trace levels of sulfur from feeds to naphtha reformers and isomerization units.

BASF D-1275 is highly effective in the removal of trace amounts of sulfur from liquid streams.

D-1275 is produced as extrudates in trilobe form having a nominal diameter of 1/16". It is delivered pre-reduced and passivated.

Product Applications

1. Removal of various sulfur species (H_2S , COS, mercaptans, sulfides, disulfides and thiophenes) from feed streams to naphtha reformers. The naphtha typically comes from an HDS unit equipped with a stripper, or from hydrocrackers.
2. Removal of various sulfur species (mercaptans, sulfides) from feed streams to isomerization units.

Pre-Treatment

Prior to start-up, the bed must be activated by removing the passivation. This is typically performed using the feed to be treated (hot oil activation).

Typical Properties

Chemical

| | |
|----------|----|
| Ni, wt % | 56 |
|----------|----|

Physical

| | |
|-----------------------|-----|
| Surface Area, m^2/g | 185 |
|-----------------------|-----|

| | |
|--|--------------|
| Packed Average Bulk Density, kg/m^3 (lbs/ft ³) | ~ 750 (~ 47) |
|--|--------------|

| | |
|----------------|--------------|
| Crush Strength | 8 lbs (side) |
|----------------|--------------|

| | |
|------------------|-------|
| Average Length | 3/16" |
| Nominal Diameter | 1/16" |

Packaging

- Steel drum, 125 kg (275 lbs) net

Shipping Point

- De Meern, The Netherlands

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. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF Catalysts develop unique, proprietary catalyst and adsorbent solutions that drive customer success.

BASF - The Chemical Company

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