

# D 1275 E 1/16" 3F

## Sulfur Guard Bed Adsorbent

**BASF D-1275 is a Nickel based adsorbent which provides efficient removal of trace levels of sulfur from feeds to naphtha reformers and isomerization units.**

BASF D 1275 is produced as star-shaped extrudates with a nominal diameter of 1/16" (1.6 mm). It is delivered pre-reduced and passivated.

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

### Product Applications

1. Removal of various sulfur species (H<sub>2</sub>S, COS, mercaptans, sulfides, disulfides and thiophenes) from feed streams used in 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 can be performed by using the feed to be treated (hot oil activation). Maximum performance can be achieved by using a hydrogen containing stream at temperatures of 150 – 180°C.

Typical Properties	
<b>Chemical</b>	
Ni, wt %	56
<b>Physical</b>	
Surface Area, m <sup>2</sup> /g	~ 185
Packed Average Bulk Density, kg/m <sup>3</sup> (lbs/ft <sup>3</sup> )	~ 820 (~ 51)
Bulk Crush Strength	~ 0.8 MPa (116 psi)

### 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, 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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