

D-1280 E 1/16" 3F

Sulfur Guard Bed Adsorbent

BASF D-1280 is a robust Nickel based adsorbent which provides efficient removal of trace levels of sulfur from feeds to naphtha reformers and isomerization units.

BASF D 1280 is produced as star-shaped extrudate with a nominal diameter of 1/16" (1.6 mm). It is delivered pre-reduced and passivated.

BASF will stop offering this material. Please contact BASF for further details.

Product Applications

1. Removal of various sulfur species (H₂S, 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). Maximum performance can be achieved by using a hydrogen containing stream at temperatures of 150 - 180°C (300 - 360°F).

Alternative Adsorbent

A potential replacement for D-1280 is Prosorb N, an improved version of D-1280. Please contact BASF for further details.

Typical Properties

Chemical

Ni, wt %	60
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Physical

Surface Area, m ² /g	~ 180
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Packed ABD, kg/m ³ (lbs/cu ft)	~ 850 (~ 53)
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Side Crush Strength per 3/16" length (4.8 mm), lbs	12
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Packaging

125 kg (275 lbs) net steel drums

Shipping Point (in the past)

DeMeern, 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.

BASF - We create chemistry

Americas

BASF Corporation
Phone: +1-732-205-5000
Email: catalysts-america@basf.com

Asia Pacific

BASF (China) Company Limited
Phone: +86-21-2039 2549
Email: catalysts-asia@basf.com

Europe, Middle East, Africa

BASF Services Europe GmbH
Phone: +49-30-20055000
Email: catalysts-europe@basf.com

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