

Prosorb P E 1/16" 3F

Improved Ni based Adsorbent for Olefins

BASF Prosorb P is a high-performance material specifically developed for the purification of olefins.

BASF Prosorb P is produced in extrudate form as extrudates in clover leaf form with a nominal diameter of 1/16" (approx. 1.6 mm).

Prosorb P is delivered pre-reduced and passivated.

Product Applications

Prosorb P is the successor of Prosorb (also sometimes referred to as Prosorb E) and shows significantly improved capacity compared to Prosorb. Prosorb was originally developed for Total's Triple P Process (Propylene Polishing Process).

Prosorb P aims at removing the following contaminants e.g. from propylene streams:

- Sulfur containing species including H₂S, COS, CS₂ and light mercaptans
- Metal hydrides including AsH₃, PH₃ and SbH₃
- O₂, CO and CO₂
- Hydrogen

Prosorb P is typically used at temperatures ranging from ambient up to 60°C depending on the feedstock and its reactivity.

Prosorb P has also good activity for the removal of sulfur components in olefinic C4 streams to very low levels.

Prosorb P must be properly pre-loaded before use.

Prosorb P used in combination with other BASF adsorbents, for example PuriStar[®] R3-12 and

Selexsorb[®] CD or CDL and COS or COS_i, often provide the most cost-effective propylene treating system.

Typical Properties

Chemical

Ni	Approx. 60 %
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Physical

Surface Area	~ 180 m ² /g
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Packed ABD	~ 850 kg/m ³ (~ 53 lbs/ft ³)
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Crush Strength	~ 0.8 MPa (bulk)
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Packaging (Typical)

- 125 kg net (264.56 lbs) in steel drums with inliner

Delivery Point

- DeMeern, The Netherlands
- Shanghai, P.R. China

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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