

# 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 H<sub>2</sub>S, COS, CS<sub>2</sub> and light mercaptans
- Metal hydrides including AsH<sub>3</sub>, PH<sub>3</sub> and SbH<sub>3</sub>
- O<sub>2</sub>, CO and CO<sub>2</sub>
- 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<sub>i</sub>, often provide the most cost-effective propylene treating system.

### Typical Properties

#### Chemical

Ni	Approx. 60 %
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#### Physical

Surface Area	~ 180 m <sup>2</sup> /g
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Packed ABD	~ 850 kg/m <sup>3</sup> (~ 53 lbs/ft <sup>3</sup> )
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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 liner

### Delivery Point

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

## About Us

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**BASF - We create chemistry**

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