

PuriStar® R3-11G T5x3

CuO Tablets

BASF PuriStar® R3-11G is a high-performance material used for the removal of trace impurities from gases or liquids.

BASF PuriStar® R3-11G is offered in tablet form. Each tablet has a nominal diameter of 5 mm and a height of 3 mm (approx. 3/16" x 1/8"). The material is dark-green to black in color. The material is delivered in oxidic form.



Product Applications

PuriStar® R3-11G is a robust copper-based adsorbent for the removal of oxygen from gases and liquids. Due to its larger form and higher CuO content, R3-11G complements the range of application of Cu-0226.

PuriStar® R3-11G can also be used to produce ultra-high purity gases by removing hydrogen and/or carbon monoxide by oxidation. In addition, it can be used for polishing these gases by taking up sulfur components and other impurities.

An outstanding attribute of R3-11G is the excellent stability of its matrix, which enables excellent repeated regenerations and long-term operation at temperatures as high as 275°C (530°F).

Special Operations

PuriStar® R3-11G needs to be reduced before being used for the removal of oxygen. For other applications a simple drying step is sufficient.

Poisons

PuriStar® R3-11G when used for oxygen removal is sensitive against Sulfur and its components.

Storage

PuriStar® R3-11G does not deteriorate or constitute any hazard when, stored in sealed containers. The containers should not be allowed to become damp or wet.

Target Properties*

Chemical Comp. (volatile free)	Approx. 45 % wt./wt. CuO Rest Mg-Silicate and Promoters
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Typical Physical Properties

Crush Strength	Approx. 5 kg (11 lbs) side wall
Bulk Density	~ 830 kg/m ³ (52 lbs/ft ³), sock loaded

*These indicative properties do not represent process capabilities nor specifications.

Packaging

- 100 kg net (220.5 lbs) in 120-liter steel drums

Delivery Point:

- Ludwigshafen, Germany

About Us

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