

H0-14 S3

Pd Impregnated Extrudates

BASF H0-14 is primarily used for the removal of trace amounts of MAPD from propylene containing streams.

BASF H0-14 is offered in the form of extrudates with a diameter of 3 mm (S3).

Product Applications

H0-14 is a highly active catalyst which comprises Palladium on a tailor-made alumina carrier. It is primarily used for the hydrogenation of trace amounts (as low as 2 and up to 300 ppm by mass) of methyl acetylene and propadiene (MA/PD) from liquid streams containing propylene.

Besides MAPD, the catalyst can also convert traces of oxygen, acetylene as well as butadiene.

Typical applications include the purification of propylene up-stream of polypropylene and polyethylene plants or as part of propylene recovery units (PRU) located downstream of cat cracking units (FCC, DCC or CPP).

Typical operating conditions are in the range of 30 - 50°C (85 - 120°F). The catalyst will last without regeneration for several years depending on the amount of MAPD or certain impurities (S, heavy metals) present in the feed.

Before the first use, the catalyst needs to be reduced with the help of a carrier gas to which H₂ is added. Please contact a BASF representative for further information.

In case the catalyst is regenerated, temperatures of up to 450°C (840°F) can be applied.

Typical Properties

Chemical

Pd	0.3 % wt./wt.
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Physical

Crush Strength, N	> 4.5 kg (10 lbs), knife edge
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Bulk Density, kg/m ³ (lbs/ft ³)	~ 680 (42) tapped ~ 630 (39) sock
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Packaging

- Steel drum (210 l) with in-liner loaded with 120 kg (264.5 lbs) net

Shipping Point

- Ludwigshafen, Germany

About Us

BASF is a leading global manufacturer of catalysts for the chemical industry, with solutions across the chemical value chain. The business comprises chemical catalysts and adsorbents and custom catalysts. In the process catalysts business, priority is given to developing new and improved products that enable the chemical industry transformation to net-zero emissions.

BASF's chemical catalysts and adsorbents business is part of the company's Performance Chemicals division. The division's portfolio also includes refinery catalysts, fuel and lubricant solutions, as well as oilfield chemicals and mining solutions. Customers from a variety of industries including Chemicals, Plastics, Consumer Goods, Energy & Resources and Automotive & Transportation benefit from our innovative solutions.

BASF - We create chemistry



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