

Octolyst® H10126

Nickel on Zinc Oxide Modified Silica Fixed Bed Catalyst

Octolyst® H10126 is a nickel on zinc oxide modified silica catalyst with a high activity for fixed bed applications.

Up to 10 – 15 % of sulphur is taken up by Octolyst® H10126.

Applications:

- Hydrogenation of Aromatics in sulphur-containing feedstocks

Physical-Chemical Properties

Properties	Unit	Value
Appearance	-	Black tablets
Ni-content	wt. %	30 - 33
ZnO-content	wt. %	30 - 37
Diameter	mm	4.9 - 5.1
Height	mm	2.2 - 2.6
Bulk density*	kg/m ³	1000 - 1150
BET surface area	m ² /g	150 - 200
Side Crush Strength	N	> 50

* The exact bulk density depends on the technology which is used to fill the reactor.

Packaging

- Octolyst® 10126 is supplied in 210 liter steel drums, net weight is approx. 170 kg

Storage

- Drums should be protected from freezing, not exposed to direct sunlight and stored in a dry cool place

Activation

The catalyst is reduced and stabilized with air. Reduction with hydrogen or a hydrogen containing gas is necessary to activate the catalyst. An activation procedure is available on request.

Additional Services

Depending on the business model, Evonik may provide the following additional services:

- Technical support including handling recommendations and safety data sheets
- Spent catalyst analytics
- Development of customized catalysts in the context of a project

Evonik Industries has been a leader in chemical catalysts for more than 75 years. Now as before, customers all over the world rely on Evonik as a competent and trusted partner. Today Evonik is a fully integrated partner in catalysis, featuring homogeneous and heterogeneous catalysis. This makes Evonik unique, and gives our customers the flexibility of finding the most cost efficient solution for their needs. Working with Evonik means having direct access to our regional technical and commercial organization. With a passion for the catalyst business our experienced teams strive for quick response times and high quality tailored solutions to your catalyst topic.

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