

Product Information

Octolyst® 1700

Nickel on Alumina Fixed Bed Catalyst

PRODUCT DESCRIPTION

Octolyst® 1700 is a highly active nickel on alumina catalyst. With designed shape and low-content Nickel, these tablets can be operated in ammonia cracking with excellent performance.

Typical Properties

| Property | Unit | Value |
|---------------------------|-------------------|------------------|
| Appearance | | Black tablets |
| Bulk Density | g/cm ³ | 1.4 |
| Particle Size Diameter | | 3.5 mm x 3.5 mm |
| Side Crush Strength | | > 100 N/particle |

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Ammonia cracking

Product Composition

| Product Composition | Unit | Value |
|---------------------------|------|-------|
| Nickel (Ni) Content, max. | wt% | 18.5 |

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- superior reactivity and selectivity
- high mechanical stability
- development of tailor-made catalysts in the context of an exclusive project possible

HANDLING & PROCESSING

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

Typical Operating Conditions:

NH₃ GHSV: 500-30,000 1/h

Pressure: Ambient - 5 MPa

Temperature: 600 - 800 °C

Sampling will be made under sample name CPC SP1700

STORAGE

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

SHELF LIFE

Subject to the appropriate storage conditions, the shelf life of Octolyst® catalysts in sealed original drums is > 3 years from date of shipment.

Disclaimer

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