

Product Information

Noblyst® 3900

Ruthenium on alumina fixed bed catalyst

PRODUCT DESCRIPTION

Noblyst® 3900 is a highly active ruthenium on alumina catalyst.

With designed shape and low-content Ruthenium, this spherical catalyst can be operated in ammonia cracking or partial cracking with excellent performance at low temperature.

Typical Properties

Property	Unit	Value
Appearance		black spheres
BET Surface Area	m ² /g	160-220
Particle Size Diameter		1.6-2.2 mm

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

ammonia cracking and partial cracking

Product Composition

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Ruthenium (Ru) Content	wt%	1.5

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BENEFITS & ADVANTAGES

- superior chemical reactivity and selectivity
- high ruthenium dispersion predominately in the outer zone of the alumina spheres
- high surface area
- development of tailor-made catalysts in the context of an exclusive project possible
- full precious metal service loop

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 MP
- Temperature: 400 - 700 °C

Sampling will be made under sample name CPC SP2900

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 Noblyst® catalysts in sealed original drums is > 3 years from date of shipment.

Disclaimer

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