

## Product Information

# Noblyst® 1529

### Palladium on alumina fixed bed catalyst

#### PRODUCT DESCRIPTION

Noblyst® 1529 is a highly active palladium on alumina catalyst for fixed bed applications in the liquid phase.

The palladium is finely distributed predominately in the outer zone of the activated alumina. Owing to its high activity, the catalyst permits operation at low temperatures and high space velocities.

#### Typical Properties

| Property           | Unit              | Value            |
|--------------------|-------------------|------------------|
| Appearance         |                   | Brownish pellets |
| BET Surface Area   | m <sup>2</sup> /g | 70-100           |
| Bulk Density       | kg/m <sup>3</sup> | 600-760          |
| Pore Volume        | ml/g              | 0.6-0.8          |
| Product Dimensions |                   | 2.0-4.0 mm       |

The data represents typical values (no product specification)

#### TYPICAL APPLICATIONS

- Selective Hydrogenation of Olefinic Bonds
- Hydrogenation of methylacetylene and propadiene (MAPD)

#### Product Composition

| Product Composition    | Unit | Value |
|------------------------|------|-------|
| Palladium (Pd) Content | wt%  | 0.1   |

The data represents typical values (no product specification)

#### BENEFITS & ADVANTAGES

- high activity and selectivity
- high olefine purity and yield
- long catalyst lifetime
- minimized precious metal loading and high recovery rate
- full precious metal service loop
- development of tailor-made catalysts in the context of an exclusive project possible

#### HANDLING & PROCESSING

no activation required

#### PACKAGING

Noblyst® 1529 is supplied in 210 liter steel drums, net weight is approx. 100 kg

#### STORAGE

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

#### 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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