

## Product Information

# Noblyst® E39I

### Palladium on silica fixed bed catalyst

#### PRODUCT DESCRIPTION

Noblyst® E39I is a palladium on silica catalyst custom designed for the selective hydrogenation of Acetylene to Ethylene within the Vinyl Chloride Monomer (VCM) production process.

##### Typical Properties

| Property          | Unit              | Value          |
|-------------------|-------------------|----------------|
| Apparent Porosity |                   | N/A            |
| Appearance        |                   | Black granules |
| Bulk Density      | kg/m <sup>3</sup> | 1400-1600      |

The data represents typical values (no product specification)

#### TYPICAL APPLICATIONS

selective hydrogenation of acetylene to ethylene

##### Product Composition

| Product Composition    | Unit | Value |
|------------------------|------|-------|
| Palladium (Pd) Content | wt%  | 0.12  |

The data represents typical values (no product specification)

#### BENEFITS & ADVANTAGES

- hydrogenation step improves ethane dichloride selectivity and minimizes byproduct formation in the oxychlorination step
- optimized precious metal load
- superior chemical reactivity and ethylene selectivity
- long catalyst lifetime and very robust
- development of tailor-made catalysts in the context of an exclusive project possible
- full precious metal service loop

#### HANDLING & PROCESSING

No activation required

#### PACKAGING

Noblyst® E39I is supplied in 120 liter steel drums, net weight is approx. 160 kg

#### 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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