

## Product Information

# Noblyst® E39K

### Palladium on silica fixed bed catalyst

#### PRODUCT DESCRIPTION

Noblyst® E39K is a high performance 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
Appearance		Black granules
Bulk Density	kg/m <sup>3</sup>	1400-1600
Particle Size		3.0-5.6 mm

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%	0.15

The data represents typical values (no product specification)

#### BENEFITS & ADVANTAGES

- hydrogenation step improves ethane dichloride selectivity and minimizes byproduct formation in the oxychlorination step
- superior chemical reactivity and ethylene selectivity
- long catalyst lifetime
- 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® E39K 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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