

## Product Information

# Durocel® 222

## Inert ceramic bed support

### PRODUCT DESCRIPTION

A silicon oxide/aluminum oxide inert ceramic with high inertness and low porosity. Ideal for use as a bed support and/or topping material.

#### Typical Properties

| Property            | Unit                | Value  |
|---------------------|---------------------|--|
| Abrasion Loss       | wt%                 | 0.5  |
| Bulk Density        | lb /ft <sup>3</sup> | 85-88  |
| Particle Size       | / 6 mm              | 3<br>9.5 / 13 mm   |
| Particle Size       | / 25 mm             | 19<br>37 mm  |
| Product Form        |                     | Spherical  |
| Side Crush Strength |                     | 80 (36); 150 (68);<br>250 (113); 640<br>(290); 1,170 (530);<br>1,760 (800); 2,200<br>(1,000) kg/mm |

The data represents typical values (no product specification)

### TYPICAL APPLICATIONS

Used as catalyst and adsorbent bed support in refining, petrochemical and gas processing applications.

#### Product Composition

| Product Composition                                      | Unit | Value |
|--|------|-------|
| Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> ) Content | wt%  | 25-35 |
| Iron (Fe) Content  | wt%  | ≤0.05 |

The data represents typical values (no product specification)

#### Product Composition

| Product Composition                                  | Unit | Value |
|--|------|-------|
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) Content | wt%  | ≤3.0  |
| Magnesium (Mg) Content                               | wt%  | ≤2.0  |
| Sodium Oxide (Na <sub>2</sub> O) Content             | wt%  | ≤5.0  |
| Silicon Dioxide (SiO <sub>2</sub> ) Content          | wt%  | 60-70 |
| Titanium Dioxide (TiO <sub>2</sub> ) Content         | wt%  | 0-3.0 |
| Water Content  | wt%  | ≤0.4  |

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### BENEFITS & ADVANTAGES

Highly inert material that affords excellent resistance to thermal and mechanical shock.

Provides proper fluid distribution, prevents fluidization, minimizes pressure drop, and eliminates media migration.

### PACKAGING

25 kg (55.1 lb) sacks

1 MT supersacks

steel drums available

### STORAGE

The material should be stored in its original container and in a dry, covered location protected from the ambient environment.

### SHELF LIFE

5 years in original packaging stored in a dry, covered location

#### Disclaimer

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