

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 ³	85-88
Particle Size		1/8 (3mm); 1/4 (6mm); 3/8 (9.5mm); 1/2 (13mm); 3/4 (19mm); 1.0 (25mm); 1.5 (37mm)
Product Form		Spherical
Side Crush Strength		80 (36); 150 (68); 250 (113); 640 (290); 1,170 (530); 1,760 (800); 2,200 (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 ₂ O ₃) 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 ₂ O ₃) Content	wt%	≤3.0
Magnesium (Mg) Content	wt%	≤2.0
Sodium Oxide (Na ₂ O) Content	wt%	≤5.0
Silicon Dioxide (SiO ₂) Content	wt%	60-70
Titanium Dioxide (TiO ₂) Content	wt%	0-3.0
Water Content	wt%	≤0.4

The data represents typical values (no product specification)

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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Evonik Operations GmbH

Catalysts
Rodenbacher Chaussee 4
63457 Hanau
Germany
Phone +49 6181 59-13399
Fax +49 6181 59-2699
catalysts@evonik.com
[evonik.click/catalysts](https://www.evonik.click/catalysts)