

Product Information

Durocel® 235

Inert bed support/tabular alumina grade spherical

PRODUCT DESCRIPTION

A highly inert tabular aluminum oxide for use in applications where chemical inertness, low porosity, low water absorption capacity and minimization of silica contamination are critical.

Typical Properties

Property	Unit	Value
Bulk Density	lb /ft ³	126-133
Particle Size		1/8 (3); 1/4 (6); 5/16 (8); 3/8 (9.5); 1/2 (13); 3/4 (19); 1.0 (25); 1.5 (37)
Side Crush Strength		176 (80) 360 (165) 440 (200) 1,323 (600) 2,645 (1,200) 3,307 (1,500)

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Used as a 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%	99.4-99.5
Iron Oxide (Fe ₂ O ₃) Content	wt%	≤0.1

The data represents typical values (no product specification)

Product Composition

Product Composition	Unit	Value
Sodium Oxide (Na ₂ O) Content	wt%	≤0.40
Silicon Dioxide (SiO ₂) Content	wt%	0.10
Water Content	wt%	≤0.4

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

Physical characteristics yield excellent resistance to thermal and mechanical shock and abrasion.

High chemical purity and mechanical integrity result in one of the most inert support media available.

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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