

Product Information

DYNOCEL® 900

Granular alumina (aluminum oxide)

CAS NUMBER

1344-28-1

PRODUCT DESCRIPTION

A granular activated alumina (aluminum oxide)

Typical Properties

Property	Unit	Value
Bulk Density	lb /ft ³	~40
Chemical Name		Granular Alumina
Aluminum Oxide		
Loss on Ignition	wt%	≤7.5
Net (250 – 1,000 °C)		
Particle Size	mesh	14-28
Particle Size	mesh	20-50
Surface Area	m ² /g	300

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Adsorbent

Product Composition

Product Composition	Unit	Value
Aluminum Oxide (Al₂O₃) Content	wt%	99-100
Purity Assay (on a volatile free basis)		
Iron Oxide (Fe₂O₃) Content	wt%	≤0.014
XRF		
Sodium Oxide (Na₂O) Content	wt%	≤0.6
XRF		
Silicon Dioxide (SiO₂) Content	wt%	0-0.01
XRF		

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

High porosity improves diffusion rates while high surface area

provides enhanced capacity.

PACKAGING

1,800 lbs (816.5 kg) supersacks

250 lbs (113.4 kg) steel drums

STORAGE

The material is stored in its original containers/packaging in a dry, covered location protected

from the ambient environment

- The material is protected from direct exposure to sunlight and rain (prolonged exposure to

direct sunlight may degrade the packaging)

- The material is not subjected to temperatures exceeding 450°F/230°C while in storage

- The material is stored elevated off the ground to ensure that there is no exposure to liquid

water

- Once the material is loaded into the vessel, a thorough nitrogen purge is recommended to

remove excessive free moisture

- Desiccant products intended for regenerative service will require a complete thermal

regeneration cycle (in TSA service) or several pressure swing cycles (in PSA service) before full

activity is restored

SHELF LIFE

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

Disclaimer

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