

Product Information

DYNOCEL® 642

Dynocel 642 is a promoted activated alumina that removes acid gas contaminants to non-detectable levels in ethylene, propylene and C4 and higher olefinic process streams.

PRODUCT DESCRIPTION

Promoted adsorbent for the purification of vapor or liquid phase olefinic hydrocarbon streams. Dynocel 642 is particularly useful for the removal of acidic compounds such as H₂S, COS, and CO₂ to non-detectable levels. Dynocel 642 exhibits low reactivity and does not require a preload step.

Typical Properties

Property	Unit	Value
Abrasion Loss	wt%	1
Bulk Density	kg/m ³	769-769
Particle Size		1/16", 1/8" 1.5 mm, 3 mm
Product Form		Spherical
Side Crush Strength		16 kg/mm

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

H₂S, COS and CO₂ removal from ethylene, propylene, isobutylene, 1-octene (co-monomer) and other olefinic process streams.

Product Composition

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Aluminum Oxide (Al ₂ O ₃) Content	wt%	99.6-99.6
Sodium Oxide (Na ₂ O) Content, max.	wt%	0.36
Silicon Dioxide (SiO ₂) Content	wt%	0.015-0.015

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

Dynocel 642 has a unique and optimized formulation which allows the removal of H₂S, COS and CO₂ to non-detectable levels from ethylene, propylene and other olefinic process streams. Dynocel 642 does not require a preload step and exhibits no reactivity with olefins. Reliability is improved since no preload step is required. Product quality and on-stream time is assured since Dynocel 642 does not react with the process stream to form oligomers and other undesirable by-products.

PACKAGING

- 2,000 lbs (907.2 kg) supersacks
- 350 lbs (158.5 kg) steel drums
- Alternative packaging available.

STORAGE

Store in original packaging in dry, covered location

Disclaimer

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