

Product Information

MAXCEL® 740

PRODUCT DESCRIPTION

Spherical, promoted catalyst used as a guard layer in Claus catalyst reactors to reduce the oxygen content of the reactor inlet process gas. Reducing the oxygen content of the reactor inlet process gas will decrease sulfate formation on the activated alumina Claus catalyst thereby preserving the catalytic activity of the activated alumina Claus catalyst. Maxcel 740 is typically installed as a top layer in the second and third Claus catalyst reactors, especially in units with direct/fired reheaters.

Typical Properties

Property	Unit	Value
Abrasion Loss	wt%	0.5
BET Surface Area	m ² /g	300
Bulk Density	kg/m ³	737
Crush Strength	lb	40
Macroporosity	ml/g	0.08
Particle Size		3/16", 1/8"
		5 mm, 3 mm

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Claus sulfur recovery units

Product Composition

Product Composition	Unit	Value
Aluminum Oxide + Promoters	wt%	99.6

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PACKAGING

2,000 lbs (907.2 kg) 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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