

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	in	3/16-1/4
Particle Size	mm	5-6

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Claus sulfur recovery units

Product Composition

Product Composition	Unit	Value
Aluminum Oxide + Promoters (volatile free basis)	wt%	99.6

The data represents typical values (no product specification)

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

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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