

MAXCEL™ 740

ACTIVATED ALUMINA IRON OXIDE-PROMOTED CLAUS CATALYST SPHERICAL

Typical Properties

Chemical (Volatile-free Basis)	Al ₂ O ₃ + Promoter	~ 99.60 %
	Na ₂ O	~ 0.35 %
	SiO ₂	~ 0.015 %
Physical	Surface Area	300 m ² /g
	Macroporosity > 750 A	0.08 cc/g
	Abrasion Loss	0.5 weight %
	Crush Strength (5 mesh equivalent)	40 lbs (18 kg)
	Bulk Density	46 lbs/ft ³ (737 kg/m ³)
	Size – nominal (other sizes available on request)	3/16", 1/8" (5 mm, 3 mm)
Availability	Shipping Point	Little Rock, Arkansas
	Packaging	2,000 lbs (907.2 kg) supersacks

Application 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 reduced sulfate formation on the activated alumina Claus catalyst thereby preserving the catalytic activity of the activated alumina Claus catalyst. Maxcel 740 is typically installed in the second and third Claus catalyst reactors, especially in units with direct/fired reheaters.

*Values shown reflect typical values. Actual shipments fall within a specification range (provided upon request). Orders requiring a minimum volume fill should include a > 5 % contingency if based on the typical density.

Disclaimer

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

Evonik Operations GmbH

Business Line Catalysts
Rodenbacher Chaussee 4
63457 Hanau
Germany
PHONE +49 6181 59-13399
catalysts@evonik.com
www.evonik.com/catalysts

