

MAXCEL™ TGS-02

TAIL GAS HYDROGENATION CATALYST LOW TEMPERATURE SPHERES

Typical Properties		
Chemical	Co (as CoO)	~ 3.1 %
	Mo (as MoO ₃)	~ 9.8 %
Physical	Surface Area	300 m ² /g
	Total Pore Volume	0.51 cc/g
	Flat Plate Crush Strength	18 lb _f /bead
	Bulk Density	46.5 lbs/ft ³ (745 kg/m ³)
	Size – nominal	3.8 mm spheres
Availability	Packaging	Oxide: 1,500 lbs (680.4 kg) supersacks actiCAT®: 3,000 lbs (1,360.8 kg) flow bins UltraCAT®: 3,000 lbs (1,360.8 kg) flow bins (alternative packaging available upon request)
Activation	Stoichiometric sulfur required for activation (by weight): ~ 6 %	
	Loading density after activation: 50.0 lbs/ft ³ (800 kg/m ³)	
Application	Spherical cobalt-molybdenum (CoMo) on activated alumina catalyst for use in Claus tail gas treating units that contain a hydrogenation/hydrolysis reactor (e.g. SCOT or LT-SCOT tail gas units). Designed for use in tail gas units with a reactor inlet temperature of at least 200 °C / 400 °F (low temperature units), but may also be used successfully in conventional tail gas units with reactors operated at higher temperature. Maxcel TGS-02 can be treated with actiCAT® TG presulfurization or UltraCAT® TG preactivation for simple and fast tail gas unit startup.	

*Physical properties shown reflect typical values. Actual shipments fall within a specification range (provided upon request). Orders requiring a minimum volume fill should include a 5% minimum 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

