Product Information

MAXCEL® 777

PRODUCT DESCRIPTION

Extruded titanium dioxide (TiO2) Claus SRU catalyst for very high hydrolysis conversion of CS2 and COS to H2S and superior resistance to sulfation poisoning. Typically loaded in a portion of the first reactor. Superior resistance to sulfation poisoning and hydrothermal aging effects allow the catalyst to provide long service life while maintaining very high conversion. The resistance to sulfation may be beneficial in the second and third reactors, especially downstream of direct-fired reheaters, or in cases where the potential for sulfation poisoning exists. Allows higher space velocities for the same sulfur conversion, which may result in smaller Claus SRU reactor volumes for new or retrofit units.

Typical Properties

Property	Unit	Value
BET Surface Area	m^2/g	130
Density	lb/ft^3	49
Particle Size extrudate	mm	3.5

The data represents typical values (no product specification)

Typical Properties

Property	Unit	Value
Side Crush Strength		3.5 lb/mm

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Claus sulfur recovery units

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