

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
Side Crush Strength		3.5 lb/mm

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Claus sulfur recovery units

Product Composition

Product Composition	Unit	Value
Titanium Dioxide (TiO ₂) Content	wt%	92.0-95.0

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

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