

Sulfur Recovery Catalyst



Characteristic

The catalyst is a highly specific surface active Al_2O_3 -based Claus sulfur recovery catalyst. Its comprehensive performance and technical indicators have reached the international advanced level.

- Has a large specific surface area and high strength properties;
- The catalyst particles are uniform and the wear is small;
- High catalyst activity and good stability;
- The pore structure is bimodal, which is more conducive to process gas diffusion and Claus reaction;
- Long catalyst life.

Use and conditions of use

The Claus sulfur recovery unit for petrochemical and coal chemical industries can be used in all grades of Claus reactors or in layers with other functions or types of catalysts.

- Temperature: $220\sim 350^\circ\text{C}$
- Pressure: $\sim 0.2\text{MPa}$
- Airspeed: $200\sim 1000\text{h}^{-1}$

Physical and chemical properties

Appearance	Unit	White Sphere
Dimensions	mm	$\Phi 4 \sim \Phi 6$

Al ₂ O ₃ %	m/m	≥ 90
Surface area	m ² /g	≥ 300
Pore volume	ml/g	≥ 0.40
Bulk density	kg/L	0.65 ~ 0.80
Resistance to crushing	N/particle	≥ 140

Packaging, storage and transportation

- Packed in woven bags, lined with plastic bags, 40kg per bag (or according to user requirements).
- During the transportation process, you should pay attention to moisture, avoid rolling, bumping and other intense shocks, and should have rainproof facilities.
- The catalyst should be stored in a dry and ventilated warehouse to prevent contamination or moisture.

