
[Tail Gas Hydrogenation Catalyst \(Scot Catalyst\)](#)

Tail Gas Hydrogenation Catalyst (Scot Catalyst)

The PSR-51 CoMo based tail gas hydrogenation catalyst is applicable to tail gas treatment for sulfur recovery. The Scot catalyst is either in the form of a Φ 2-4mm sphere or a Φ 3mm trilobe extrudate.

Application

The tail gas hydrogenation catalyst is generally adopted for the reduction of sulfur compounds such as SO₂, COS, CS₂ into H₂S.

Physical Properties

Appearance (mm)	Φ 3×4~10 blue-grey clover-shaped extrudate
CoO (m/m)	Min. 2.5%
MoO ₃ (m/m)	Min. 10%
Specific Surface Area (m ² /g)	Min. 260
Bulk Density (kg/L)	0.60~0.70
Compressive Strength (N/cm)	Min.150
Abrasion (m/m)	Max.0.8%
Appearance (mm)	Φ 4~6 Spheres
CoO (m/m)	Min.2.0 %
MoO ₃ (m/m)	Min. 13 %
Specific Surface Area (m ² /g)	Min.230
Bulk Density (kg/L)	0.70~0.80
Compressive Strength (N/particle)	Min.130
Abrasion (m/m)	Max. 0.8 %

Operation Conditions

Pressure (MPa)	~0.2MPa
Temperature (°C)	260-380
Space velocity (h ₋₁)	200-1500

Packing: Shrink wrap the tail gas hydrogenation catalyst in 200L steel drums lined with plastic bags, with 3 or 4 drums per pallet.

Chempack, established in 1970, is an experienced tail gas hydrogenation catalyst manufacturer located in China. Our company has received the ISO9001:2000 certification due to its production and operation in strict accordance with international standards. We also provide a full range of chemical products, including sulfur removal, arsenic removal, molecular sieve, and other products, to accommodate every customer need. Located in Jiangxi province, we have easy access to many forms of transportation. This enables us to make prompt deliveries at low shipping charges for our clients. OEM service is available, upon request. As a result of our dedication to product improvement and customer satisfaction, our products are well received in both the domestic and overseas markets. If you have any need, please contact us via phone or email. We at Chempack are happy to assist you with whatever your chemical product need may be.

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