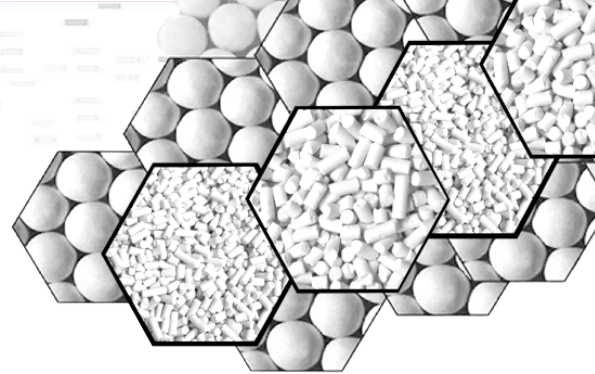


HYDRO SULCAT

CLAUS CATALYST



DESCRIPTION

Hydro SulCat is manufactured to hydrogenate sulfur and form H₂S in Tail Gas Units. After the hydrogenation reaction has taken place, the effluent is cooled and water vapor is removed, concentrating H₂S in vapor phase. The water from the quench column can be sent to a sour water stripper or recycled in an upgrader. The hydrogen sulfide and hydrogen that did not react is introduced into a lean amine solution, which produces a sweet gas that can be incinerated in the stack. A special regenerator will use stripping steam to regenerate the rich amine solution, which releases H₂S that is then mixed with other hydrogen sulfide isolated in the tail gas unit and recycled as feed gas, back to the Claus Units to undergo the process another time.

SPECIFICATIONS

| Claus Catalyst | | |
|------------------------|------------------------------------|--------------------------|
| Hydro SulCat | | |
| Property | Unit | Typical Values |
| Bead Appearance | mm | Φ(3-6) Beads |
| Pellet Appearance | mm | Φ(4-6) x (5x15) Pellets |
| Bulk Density | g/mL (lb/ft ³) | 0.50-0.70 (31.2-43.7) |
| Average Crush Strength | N/bead (lbm*ft/s ²) | ≥120 (≥26.9) |
| Specific Surface Area | m ² /g | >200 |
| Pore Volume | mL/g | >0.35 |
| Attrition | wt% | ≤1 |
| Packaging Options | 200kg (440.9lb) / Drum | |

INDUSTRIES USED

sulfur recovery

tail gas units

hydrogenation

STORAGE

As an adsorbent, molecular sieve should not be left exposed to open air and should be stored in dry conditions with air-proof packaging.

CONNECT WITH US...

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ISO 9001:2008



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