

Adsorbent of sulphur compounds KNT-SR



Principle applications: The adsorbent of sulfur compounds KNT-SR

The main application:

The adsorbent of sulfur compounds KNT-SR is designed for fine purification of gases from sulfur compounds by binding of sulfur with zinc oxide. Used mainly in the production of chemical products from natural gas and other hydrocarbons, as well as other processes for purification of gas flows from sulfur compounds, in particular in large aggregates of power-producing ammonia, methanol, hydrogen and maintenance.

Advantages of the adsorbent KNT-SR:

1. The high adsorption activity;
2. The high strength of the adsorbent allows it to boot to the adsorber without destruction of pellets;
3. High durability to abrasion, avoids the generation of dust, thereby reducing the risk of increased pressure drop in the adsorber.

Manufactured according to Technical Specifications 2165-018-94262278-2012.

Property	Standards acc. to TS	Actual parameters
Appearance		Extrudate
Granules size, mm		3,5+5,5
Bulk density, kg/dm		1,1+1,4
Strength cracking index, kg/mm for granules (average), not less than	0,8	1,2
Adsorbent ignition loss, temperature 900°C, %, not more than	13,5	10
Zink oxide mass fraction, (ZnO),%, not less than	90	93
Sulphur absorption, %, not less than	30	34
Dust and chip mass fraction, %, not more than	3	1

Packing:

- polypropylene big-bags, bags, metal drums.

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