

Product Information

SYLOBEAD® MS 562 CS

Adsorbent for Drying of Cracked Gas and Olefins

Product Description

SYLOBEAD® MS 562 CS is a highly porous, high performance crystalline aluminosilicate in spherical form. The pore openings in the crystals have a diameter of approximately 3 Å.

Typical Properties and Recommended Applications

The following typical properties data are given for informational purposes only, and are not to be interpreted as product or in-process specifications.

Property	UOM	Value
Bulk Density	g/l	740
Bulk Density	lbs/ft ³	46.2
Total Volatile (950°C)	%	1.5
H ₂ O-Adsorption Capacity 10% r.h., 25°C	%	17.5
H ₂ O-Adsorption Capacity 80% r.h., 25°C	%	21.5
Crush Strength	N	70
Crush Strength	lbs	15.7
Bead Size	mm	2.5 – 5.0
Heat of Adsorption, H ₂ O	kcal/kg	1000
Heat of Adsorption, H ₂ O	Btu/lb	1800

SYLOBEAD® MS 562 CS is a high performance 3 Å spherical molecular sieve specifically formulated for the dehydration of cracked gas, propylene, butadiene and other unsaturated hydrocarbons. The proprietary, enhanced formulation of SYLOBEAD® MS 562 CS provides maximum retained cyclic H₂O capacity, minimal attrition or material breakup, low unit pressure drop, maximum resistance to coking, no green oil formation and long service life in severe service cracked gas dehydration applications. The large particle diameter of SYLOBEAD® MS 562 CS makes this product an ideal choice for units where high pressure drop is a concern.

Packaging Information

The standard packaging for SYLOBEAD® MS 562 CS is:

800 kg/big bag	1 big bag/pallet	800 kg/pallet	pallet: 1000 x 1200 mm
140 kg/drum	4 drums/pallet	560 kg/pallet	pallet: 1000 x 1200 mm

www.grace.com

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Handling & Storage Recommendations

SYLOBEAD® MS 562 CS should be handled so as to avoid generation of dusty conditions at the workplace. When pouring into a container in the presence of flammable liquids, gases or dust, earth both containers electrically to prevent a static electric spark and the risk of explosion. Additional information can be found in our Safety Data Sheet (SDS).

Storage in a dry warehouse is recommended. Extended exposure to UV light degrades the big bag material and this should be avoided. Open packages should be resealed to prevent contamination and adsorption of water or other gases and vapors. The material in drums should be used within 48 months, the material in big bags within 12 months (from the date of production).

Regeneration

For optimum performance of adsorbents in process applications it is recommended to start the first cycle with a regeneration of the adsorbent using a dry (process) gas. The specific regeneration conditions such as temperature, flow and duration of the regeneration step depend on the specific application and will typically be part of the proposed design. For more details please contact your local GRACE representative.

Health & Safety Information

SYLOBEAD® MS 562 CS is a synthetic aluminosilicate bound with a mineral clay. Additional information can be found in our Safety Data Sheet (SDS). Please refer also to national laws and regulations.

ISO Certification

ISO 9001 Registered

Other Information

The information contained herein is based on our testing and experience and is offered for the user's consideration, investigation and verification. Since operating and use conditions vary and since we do not control such conditions, we must **DISCLAIM ANY WARRANTY, EXPRESSED OR IMPLIED**, with regard to results to be obtained from the use of this product. Test methods are available on request

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