

Sorbead Air WS

Technical Data Sheet



Sorbead Air WS water-resistant silica gel adsorbents have high capacity and protect other adsorbents and catalysts from water and moisture in a broad range of applications.

Product Description

The patented Sorbead Air line of highly efficient adsorbents are alumino-silicate gels in the form of hard, spherical beads, with a very high resistance to crushing and a low attrition rate. Sorbead Air adsorbents have a longer life than most other adsorbents and can reduce operating costs in most applications. Sorbead Air WS is the only 100% water-resistant adsorbent with a high adsorption capacity. It is most frequently used as a protective layer in combination with Sorbead Air R or other adsorbents such as molecular sieves, activated alumina, activated carbons and catalysts in order to increase the reliability of the system. The high capacity of Sorbead Air WS enables it to be used on a standalone basis as well. With its high resistance against hydrothermal aging and low regeneration temperature, Sorbead Air WS is ideal for applications where adsorbent regeneration with humid gas occurs (e.g. Heat-of-Compression and Blower-Purge air dryers, air separation plants).

TYPICAL PROPERTIES		
Chemical Composition	SiO ₂ ; 97 Al ₂ O ₃ ; 3	wt. %
Surface Area (BET)	650	m ² /g
Pore Volume	0.45	cm ³ /g
Equilibrium Capacity for water vapor at 25° C	4 at 10% RH 42 at 80% RH	wt. %
Packed Bulk Density	0.7	kg/l
Crushing strength	120	N
Attrition Rate	0.05	wt. %
Bead size	2.0 – 5.0	mm
Liquid Water Resistant	Yes	

SHIPPING INFORMATION	
Packaging	130 kg/drum

Nordic Filtration

At www.nordicfiltration.com you will find a wide selection of filtration products ready for you to order.

Nordic Filtration offers a wide selection of filtration products for water treatment. We have stock in Denmark from where we distribute all of our products to Scandinavia and the the rest of the world.

You can buy our products on local websites or by contacting us by phone or e-mail. Information about our products as well as brochures and manuals can be found on our website (www.nordicfiltration.com).

We can adapt all of our filtration products to your needs, and we offer visits from our consultants in order to find the right solution for you.

