

Sorbead Air R

Technical Data Sheet



Product Description

The patented BASF 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 R is an adsorbent with a wide range of applications. Its high level of economy (above-average drying capacity at low required desorption energy) and reliability (low level of product loss, high mechanical strength) is derived from a combination of unique properties. Sorbead Air R is mainly used for the continuous drying of compressed air, technical gases (e.g. N₂, O₂, CO₂) and liquefied gases. It is protected from eventual liquid condensate by app. 20% of Sorbead Air WS.

TYPICAL PROPERTIES		
Chemical Composition	SiO ₂ ; 97 Al ₂ O ₃ ; 3	wt. %
Surface Area (BET)	750	m ² /g
Pore Volume	0.4	cm ³ /g
Equilibrium Capacity for water vapor at 25° C	6.5 at 10% RH 42 at 80% RH	wt. %
Packed Bulk Density	0.8	kg/l
Crushing strength	200	N
Attrition Rate	0.05	wt. %
Bead size	2.0 – 5.0	mm
Liquid Water Resistant	No	

These indicative properties do not represent process capabilities nor specifications.

SHIPPING INFORMATION	
Packaging	150 kg/drum

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