

BLD10822 - ACTIVATED ALUMINA 1.5-3.0mm Bead

Technical Data Sheet

Application: For drying a wide variety of gases and liquids, where high dynamic water adsorption capacity is mandatory.

Description: Regenerative Activated Alumina with high water adsorption capacity, owing to its high specific area, tailored pore size distribution and optimised surface chemistry.

Activated Alumina demonstrates exceptional cyclic stability in Thermal Swing Adsorption (TSA) applications as it minimises hydrothermal aging while meeting low dew point specifications. It also exhibits long term performance in Pressure Swing Adsorption (PSA) applications on account of its very good mechanical properties.

Activated Alumina is available in 1.5-3.0mm for liquid phase applications to minimise diffusion.

TYPICAL PROPERTIES		
High purity alumina beads		
Diameter	1.5 to 3.0	mm
Alumina (Al ₂ O ₃)	93.5 min	wt%
Sodium oxide (Na ₂ O)	3200	wt ppm
Loss on ignition (300-1000°C)	5	wt%
Surface area	320	m ² /g
Total pore volume	43	cm ³ /100g
Sock loading density	800	kg/m ³
Dense loading density	880	kg/m ³
Particle crushing strength	12	daN
Attrition resistance (AIF method)	99.3	wt%
Statistic adsorption (at 60% RH)	21.0	wt%

These indicative properties do not represent process capabilities nor specification.

SHIPPING INFORMATION	
Standard Packaging	Net 160 kg (353 lbs) and 4 drums per pallet

Smaller pack sizes available, please contact us for more details.

