

BLD12834 - ACTIVATED ALUMINA 2.0-5.0mm Bead

Technical Data Sheet

Application: Highly recommended for air and gas drying, where high water adsorption capacity combined with excellent mechanical properties are mandatory.

Description: Regenerative Activated Alumina with high water adsorption capacity and strong attrition resistance to ensure less dust formation to protect downstream valves and minimise filter plugging.

Activated Alumina presents exceptional cycle stability in Thermal Swing Adsorption (TSA) applications as it minimises hydrothermal aging when meeting low dew point specifications. It also shows long term performance in Pressure Swing Adsorption (PSA) application because of its very good mechanicals properties.

TYPICAL PROPERTIES		
High purity alumina beads		
Diameter	2.0 to 5.0	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	335	m ² /g
Total pore volume	44	cm ³ /100g
Sock loading density	780	kg/m ³
Dense loading density	860	kg/m ³
Particle crushing strength	19	daN
Attrition resistance (AIF method)	99.5	wt%
Statistic adsorption (at 60% RH)	21.5	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 are available; please contact us for more details.

