

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 minimize filter plugging.

The activated alumina presents an exceptional cyclic stability in Thermal Swing Adsorption (TSA) applications as it minimizes hydrothermal ageing when meeting low dew point specifications. It also shows long term performance in Pressure Swing Adsorption (PSA) applications 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 specifications.

SHIPPING INFORMATION	
Packaging	217 l. fiber drums. Net 160 kg (353 lbs)
	1500 l. big bags. Net 1000 kg (2205 lbs)

If you require any further information, please contact your Edmac salesperson or sales.edmac@edmac.eu