

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.

This 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.

This is available in 2-5, 2.5-5 and 4-8 mm sizes.

TYPICAL PROPERTIES				
High purity white Alumina beads				
Diameter	2 to 5	2.5 to 5	4 to 8	mm
Al₂O₃		93.5 mini.		wt%
Na₂O		3200		wtppm
Loss on ignition (300-1000°C)		5		wt%
Surface area	335	335	330	m ² /g
Total pore volume		44		cm ³ /100g
Sock loading density	780	780	770	kg/m ³
Dense loading density	860	860	850	kg/m ³
Particle crushing strength	19	21	44	daN
Attrition resistance (AIF method)	99.5	99.3	99.2	wt%
Static adsorption (at 60 % RH)	21.5	21.5	20.8	wt%

Shipping information
PACKAGING: 217 l. fiber drums (Net 160 kg) or 80 l. (Net 50 kg) or 1500 l. big bags (Net 1000 kg)

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