Allumina Attivata A grade

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

Allumina attivata A is excellent for the removal of polar impurities for various purification processes.
This alumina is well adapted for treating corrosive streams in operations such as CO_2 drying, reforming closed loop drying and waste gas clean up applications.
It is also used as a protective layer positioned above the molecular sieve in Axens Multibed™ Technology.

Description: Regenerable activated alumina with high adsorption capacity, owing to its high specific area, tailored pore size distribution and optimized surface chemistry.

Allumina attivata A demonstrates exceptional cyclic stability in Thermal Swing Adsorption (TSA) applications as it minimizes hydrothermal ageing 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.

Allumina attivata A is available in a wide granulometric range:
1.5 to 3 mm (1/16”) size for liquid phase applications to maximize diffusion.
2 to 5 mm (1/8”) and 4 to 8 mm (1/4”) for gas phase applications to minimize pressure drop.

Typical Properties				
High purity alumina beads				
Diameter	1.5 to 3.0	2.0 to 5.0	4.0 to 8.0	mm
Alumina (Al2O3)		93.5 min.		wt%
Sodium oxide (Na2O)		3200		wt ppm
Loss on ignition (300-1000°C)		5		wt%
Surface area		330		m^2/g
Total pore volume		43		$cm^3/100g$
Sock loading density	800	780	760	kg/m^3
Dense loading density	880	860	840	kg/m^3
Particle Crushing Strength	12	19	43	daN
Attrition resistance (AIF method)	99.3	98.7	98.0	wt%
Static adsorption (at 60% RH)	21.0	21.0	20.5	wt%

Shipping Information	
Packaging	1500 l. big bags. Net 1000 kg (2205 lbs)

Andrea Gallo di Luigi s.r.l.
Via Erzelli, 9 16152 Genova
Tel. +39 (0)10 6502941 - info@andreagallo.it - www.andreagallo.it