

Activated alumina is a highly porous, ceramic compound that can absorb both gases and liquids without changing form or disintegrating.

Application: It is mainly used in gas and liquid desiccation in the petrochemical industry. It is also widely applied as a dryer in the textile industry, oxygen making industry, and in automatic instrument equipment with non-heat regeneration.

Regeneration: If heated to approximately 200°C, the absorption process is reversed and the alumina will release the water it has absorbed.

Properties	Unit	AA-316	AA-18
Diameter	Inches	3/16	1/8
Gravity-surface area	ft²/lb	1.47E+06	1.47E+06
Cavity Volume	ft³/lb	4.93E+06	4.93E+06
Static Adsorption	wt%	17	17
Bulk Density	lb/feet ³ ±.02	43.7	43.7
Loss of Ignition	wt %	0.6	0.6
Crush Strength	lb _f	27	27
Wear Rate	wt%	0.1	0.1
Properties	Unit	AA-14	AA-12
Properties Diameter	Unit Inches	AA-14 1/4	AA-12 1/2
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Diameter	Inches	1/4	1/2
Diameter Gravity-surface area	Inches ft²/lb	1/4 1.47E+06	1/2 1.47E+06
Diameter Gravity-surface area Cavity Volume	Inches ft²/lb ft³/lb	1/4 1.47E+06 4.93E+06	1/2 1.47E+06 4.93E+06
Diameter Gravity-surface area Cavity Volume Static Adsorption	Inches ft²/lb ft³/lb wt%	1/4 1.47E+06 4.93E+06 17	1/2 1.47E+06 4.93E+06 17
Diameter Gravity-surface area Cavity Volume Static Adsorption Bulk Density	Inches ft²/lb ft³/lb wt% lb/feet³ ±.02	1/4 1.47E+06 4.93E+06 17 43.7	1/2 1.47E+06 4.93E+06 17 43.7

