Activated Alumina

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	ft^2/lb	1.47E+06	1.47E+06
Cavity Volume	ft^3/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
Diameter	Inches	1/4	1/2
Gravity-surface area	ft^2/lb	1.47E+06	1.47E+06
Cavity Volume	ft^3/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

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