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PRODUCT SPECIFICATIONS

AGM Part Number 920101

Activated Alumina, 1/8", 3/16", 1/4" Beaded

CHEMICAL FORMULA $Al_2O_3 \bullet nH_2O$

PRODUCT DESCRIPTION

Activated alumina is a synthetically produced aluminum oxide in a smooth spherical form with a high crush strength. It is highly porous and can have a surface area greater than 300 m^2/g. It is an excellent desiccant for liquids and gases and can achieve dew points from -40˚F to 100˚F depending on the operating conditions and the design of the dryer. Activated alumina will adsorb all molecules to some degree but will preferentially adsorb the molecules with the highest polarity.

TYPICAL CHEMICAL COMPOSITION (Wt %)		
Al_2O_3	92.7%	
SiO_2	0.02%	
FE_2O_3	0.02%	
NA_2O	0.30%	

TYPICAL PROPERTIES				
	1/16" (1.5-2mm)	1/8" (3.2mm)	3/16" (4.7 mm)	1/4" (6.4 mm)
Surface Area, m^2/g	> 300	> 300	> 300	> 300
Total Pore Volume, cc/g	0.5	0.5	0.5	0.5
Bulk Density, lbs/ft^3 (kg/m^3)	≥ 43 (690)	≥ 47 (753)	≥ 47 (753)	≥ 47 (753)
Crush Strength, lbs (N)	≥ 19 (87)	≥ 27 (120)	≥ 42 (180)	≥ 67 (300)
LOI (250-1100˚C), Wt %	< 7	< 7	< 7	< 7
Abrasion Loss, Wt %	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5

TYPICAL APPLICATIONS

As a desiccant in compressed air dryers; water purification to remove fluoride, arsenic and selenium; removal of degradation acids from transformer oils, lubricating oils, and refrigerants; natural gas drying; liquefied natural gas drying.

PACKAGING INFORMATION

Bags	50 lb (23 kg)
Drums	Fill weights to order specification
Super Sacks	Fill weights to order specification

HANDLING AND STORAGE RECOMMENDATIONS

Store activated alumina in a dry location to prevent premature water adsorption. Reseal packages after opening to prevent contamination and unintended water adsorption. We recommend that you rotate stock so oldest material is used first.

HEALTH & SAFETY INFORMATION

Health and Safety Information is available on the product MSDS.