PRODUCT DATA

a*SORB*® ACTIVATED ALUMINA

TYPICAL CHEMICAL COMPOSITION (wt%)	
CHEMICAL FORMULA	$Al_2O_3 \bullet nH_2O$
Al_2O_3	94.9
SiO_2	0.02
Fe_2O_3	0.02
Na_2O	0.30
LOI (250-1100°C)	6.50

PRODUCT DESCRIPTION

The aSORB line of desiccants are smooth spheres of activated alumina derived from aluminum oxide. This line of products features high crush strengths and low dust content. The material is highly porous, can have a surface area greater than 330 m^2/g, and can achieve dew points of -40°F to -100˚F, depending on operating conditions and the design of the dryer. Activated alumina will preferentially adsorb highly polar molecules.

TYPICAL PROPERTIES				
PRODUCT CODE	AA116B	AA18B	AA316B	AA14B
Shape	Bead	Bead	Bead	Bead
Particle Size (in)	1/16	1/8	3/16	1/4
Particle Size (mm)	1.5-2.0	3.2	4.7	6.4
Surface Area (m^2/g)	330	330	330	330
Total Pore Volume (cc/g)	0.5	0.5	0.5	0.5
Bulk Density (lb/ft^3)	47	47	47	47
Bulk Density (kg/m^3)	753	753	753	753
Crush Strength (lb)	15	35	55	72
Crush Strength (N)	67	156	245	320
Abrasion Loss (wt%)	0.5	0.5	0.5	0.5

TYPICAL APPLICATIONS

As a desiccant in compressed air drying and natural gas drying; removal of acids from transformer oils, lubricating oils, and refrigerants.

PACKAGING INFORMATION

Available in 50 lb (22.68 kg) bags & super-sacks filled to order.

HANDLING & STORAGE RECOMMENDATIONS

Store in a dry location to prevent unintentional 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 our product SDS, which can be downloaded from our web site interraglobal.com or by contacting Interra Global at 847.292.8600.

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