

## ALUMINA BALLS

INERT CATALYST BED SUPPORTS005

### DESCRIPTION

Alumina Balls are sintered alpha alumina with very high-purity, with over 99.7% Al<sub>2</sub>O<sub>3</sub>. The alumina is a form of pure aluminum oxide which has been fired at such high temperatures that practically all porosity and shrinkage are removed. It is essentially 100% alpha alumina. The product is available in a variety of sizes, including 3/16, 1/4, 5/16, 3/8, 1/2, 3/4, and 1 inch. Its physical properties are as follows:

Al <sub>2</sub> O <sub>3</sub> :	99.7 %
SiO <sub>2</sub> :	0.01 %
Fe <sub>2</sub> O <sub>3</sub> :	0.01 %
Na <sub>2</sub> O:	0.25 %
Specific Gravity:	3.6-6.8
Water Absorption:	u/0.4 %

### APPLICATION

The properties of the Alumina Balls make them ideal in applications as inert catalyst bed supports. An outline of the advantages of this product are as follows:

- Inert catalyst bed supports.
- Used as a heat exchange medium for pebble heaters.
- Suitable as catalyst and desiccant bed supports, or for ballast under exposure to high temperature or severe corrosive conditions.
- Thermal reservoirs and supporting beds in catalytic and other petroleum refining and petrochemical plant applications.

### RECOMMENDED TREATMENT

Recommended treatment is dependent on the particular application, and previous application experience by the customer.