

INFORMATION

ALUMINA BALLS

INERT CATALYST BED SUPPORTS005

DESCRIPTION

Alumina Balls are sintered alpha alumina with very high-purity, with over 99.7% Al₂O₃. 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 ₂ O ₃	99.7 %
SiO ₂	0.01 %
Fe ₂ O ₃	0.01 %
Na ₂ 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.

Alumina Balls is a Messina trademark