



Tabular Alumina Type TAB-99

General Information

ZIRCAR Ceramics' Tabular Alumina Balls Type TAB-99 and Gravel are high-density, high-purity Alumina in the Alpha-Alumina crystal phase. High-temperature sintering imparts a strong, low-porosity microstructure which gives TAB-99 excellent high-temperature strength, high refractoriness and superior dielectric properties. TAB-99 products are chemically stable and exhibit good acid and alkali corrosion resistance.

TAB-99 Balls are graded for size and smoothness. Some chipping, out of roundness and broken balls may be present in each lot. 12mm shown at right.



Properties & Characteristics

Typical Composition, %	
Al ₂ O ₃	99.5
SiO ₂	≤0.08
TiO ₂	≤0.03
MgO	≤0.05
K ₂ O	≤0.08
Na ₂ O	≤0.04
Bulk Density, g/cc (pcf)	3.53(220.4)
Water Absorption, %	1.5
Apparent Porosity, %	5.3

The data presented herein is intended to help the user to determine the appropriateness of this material for their application. This data is a nominal representation of this product's properties and characteristics and therefore should not be used in preparing specifications.



TAB-99 Gravel is crushed, ground and separated into specific mesh sizes.

TAB-99 balls are also available in small diameters.



ZIRCAR Ceramics, Inc

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Suggested Applications

TAB-99 can be used in a number of industrial applications including, but not limited to:
 Molten Non-Ferrous Metal Filtration.
 Heat Exchanger Media.
 Aggregate in castable and precast refractory shapes.
 Technical and Dental Ceramic sintering beds.

Availability: TAB-99 is supplied on an as ordered basis.

ITEM #	DESCRIPTION
D120-05	TAB-99, Ball, 1.5mm, 25Kg Bucket
D120-06	TAB-99 Ball, 2mm, 25Kg Bucket
D120-07	TAB-99 Ball, 3mm, 25Kg Bucket
D120-01	TAB-99, Ball, 12.7mm, 25Kg Bag
D120-02	TAB-99, Ball, 15mm, 25Kg Bag
D120-03	TAB-99, Ball, 19mm, 25Kg Bag
D120-04	TAB-99, Ball, 25mm, 25Kg Bag
D120A-01	TAB-99, Gravel, 1-3mm, 25Kg Bag
D120A-02	TAB-99, Gravel, 2-5mm, 25Kg Bag
D120A-03	TAB-99, Gravel, 3-6mm, 25Kg Bag

To Order

Please contact ZIRCAR Ceramics, Inc. with your requirements and we will be happy to provide you with an offer.



Large-diameter TAB-99 balls and gravel are packaged in sturdy 25kg bags and palletized for secure shipment. Bulk bags are also available. Small-diameter TAB-99 balls are supplied in 25kg buckets.



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