

Buster RA

Reticulated Alumina Foam

The Cost Effective Option for High Temperature Insulation

Available in Custom Shapes and Sizes

Buster RA Features

- 100% Inorganic
- Non-Flammable
- High Strength
- No Outgassing Upon Heating
- Useful in Temperatures to 1700 °C
- High Porosity
- Low Thermal Conductivity



Structural Strength... Lightweight... High Porosity...

Excellent for kiln furniture or other support structure

Product Information

Zircar Buster RA reticulated alumina foam can be made into numerous shapes and sizes to provide custom kiln furniture or setter plates. The low creep resistance and thermal expansion ensure a strong, steady support structure for your furnace or other high temperature application.

The *Zircar* Fibrous Ceramics Advantage

Low Mass,
Low Heat Storage &
Low Thermoconductivity
means
High Thermal Shock Resistance,
High Insulation Performance,
Higher System Efficiency &
Lower Energy Costs

For more information,
phone: (845) 651-3040
email: sales@zircarzirconia.com
website: www.zircarzirconia.com

Properties & Characteristics

Properties (Nominal)	Buster-RA
Color	White
Bulk Density For 65 PPI, lb/ft ³ (g/cm ³)	58 (0.94)
Pores Per Inch (PPI), Range Available	10 - 65
Maximum Use Temperature ⁽¹⁾ , °C (°F)	1580 (2900)
Modulus of Rupture @ Room Temperature, psi	400
Thermal Expansion Coefficient, RT 1000 °C	7.5 x 10 ⁻⁶ cm/°C
Creep Resistance, % deformation, 5psi load, 3 hours at 1500 °C	<2
Chemical Composition (Nominal)	
Oxide	Wt%
Al ₂ O ₃	92
SiO ₂	8
Other Metal Oxides	Trace

⁽¹⁾ Maximum use temperature is dependent of variables such as stresses, both thermal and mechanical, and the chemical environment that the material experiences.

Applications

Kiln Furniture - Reticulated alumina foam has a very low percentage of deformation at high temperatures so it can hold its shape assuring your assembly will hold steady.

Setter plates - Custom shapes or flat plates, this material may be formed into nearly any shape setter needed.

Custom Design Quotations

Contact Us For A Quotation For Your Custom Part

Call: 845-651-3040

email: sales@zircarzirconia.com

Zircar machines custom shapes to your design specifications.

Our capabilities include:

- 3D CNC Machining
- Layered Configurations
- Lap Joined Boards and Cylinders
- Diamond Wire Splitting of Cylinders

Other Interesting Products



Buster Cement is an off white single part alumina adhesive with a useful temperature limit of 1650 °C.



Zircar supplies Buster CXV, a strong, non-fibrous insulation, organic free, lightweight board. It is offered in board form and in your custom machined design.



Zircar Zirconia, Inc.
87 Meadow Road
P.O. Box 287
Florida, New York 10921

Phone: (845) 651-3040
Fax: (845) 651-0074
Email: sales@zircarzirconia.com
www.zircarzirconia.com