

# Buster Alumina Rigidizer

## High Purity Alumina Colloid

Manufacturer of High Alpha Alumina Fibrous Ceramics

Available in Pints and Quarts

### Buster Alumina Rigidizer Features

- High Purity
- High Temperature Stability
- Usable In Multiple Atmospheres

### 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



### High Purity... Surface Hardening... Water Based...

Colloidal Alumina is applied to harden surfaces of fibrous ceramics and stiffen high temperature textiles.

### Product Information

Zircar Buster Alumina Rigidizer is formulated for the surface hardening of all alumina fiber products and for use in the fabrication of alumina composites from Zircar textiles and other advanced materials. Buster Rigidizer is a colloid of high purity aluminum oxide in a water base. The liquid formulation when applied to various materials increases density, hardens surfaces, helps resist material erosion, and can bind materials together.

The water based rigidizer, when mixed, has the consistency of a low viscosity house paint. The low pH should not be increased or the rigidizer will gel and be difficult to apply and penetrate.

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

### Properties & Characteristics

Properties (Nominal)	
Melting Point, °C (°F) <sup>(1)</sup>	2050 (3722)
Specific Gravity	1.18
pH	4.2
Alumina Purity, %	99
Alumina Content of Liquid, %	20

<sup>(1)</sup> Melting point is dependent on variables such as the chemical environment and stresses; both thermal and mechanical.

## Product Samples

### FREE SAMPLES

Call: 845-651-3040

email: sales@zircarzirconia.com

Product Type	Item #
Buster Alumina Rigidizer	SAMPLE-GC1

Sample is 1oz



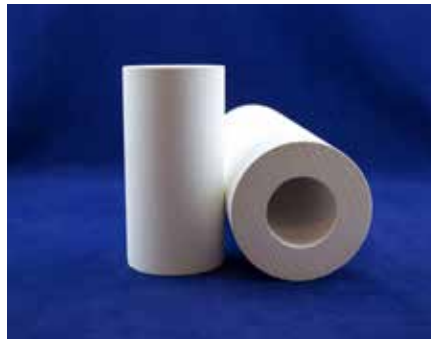
## Other Products & Capabilities

Customers who order Buster Alumina Rigidizer also order: **Zircar** manufactures and machines custom fibrous insulation shapes to your design specifications.

- Buster Boards & Cylinders 15 - 45 lb/ft<sup>3</sup> Density
- Buster Blanket
- Buster Bulk Fiber
- High Purity Alumina Textiles

Our capabilities include:

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



## Standard Product Sizes & Ordering

Please contact our Sales Department for pricing and availability.

### To Place an Order

Call: 845-651-3040

email: sales@zircarzirconia.com

### Buster Alumina Rigidizer

Size	Item Number
1 Pint	GC010
1 Quart	GC011



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