

Buster HS

High Temperature Ceramic Fiber Board

The Cost Effective Option for High Temperature Insulation

Buster HS Features

- Withstands Temperatures to Over 1250 °C
- High Strength to Weight Ratio
- Low Thermal Conductivity
- Machinable
- Resistant to Oxidation and Reduction
- Organic Binder to Burn Out at 300 °F
- Thicknesses to 2"



Lightweight... High Temperature Stability...

Machinable boards with high green strength.

Product Information

Zircar supplies Buster HS, a lightweight alumina-silica ceramic fiber board in sizes up to 42"x 48", and thicknesses to 2". It is an ideal choice for backup insulation for castables, brick and other dense refractory materials. Buster HS offers high temperature stability, uniform density and excellent thermal shock resistance. It resists most corrosive agents as well as oxidizing and reducing environments.

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	Buster HS	
Color	White / Cream	
Nominal Density, lb/ft ³ (g/cm ³)	18 (.29)	
Rated Continuous Use Temperature ⁽¹⁾ , °C (°F)	1149 (2100)	
Maximum Use Temperature ⁽¹⁾ , °C (°F)	1260 (2300)	
Melting Point °C (°F)	1760 (3200)	
	Unfired	Fired
Modulus of Rupture, PSI	350	90
Compressive Strength lb/sq in @ 5% Compression	40	27
@ 10% Compression	59	32
@ 15% Compression	76	33
Loss on Ignition, % by Wt	3-7	
Shrinkage @ 1149 °C for 24hrs, %	<5	
Thermal Conductivity, W/m ² K (BTU/hr ft ² °F/in) @ 300 °C (572 °F)	0.07 (0.5)	
@ 600 °C (1112 °F)	0.11 (0.7)	
@ 800 °C (1472 °F)	0.14 (1.0)	
@ 1100 °C (2012 °F)	0.20 (1.4)	
Chemical Composition (nominal)		
Oxide	Wt%	
Al ₂ O ₃	80	
SiO ₂	10	
Organic Binder	10	

⁽¹⁾ Maximum use temperature is dependent on variables such as chemical environment and stresses, both thermal and mechanical

Product Samples

FREE SAMPLES

Call: 845-651-3040

email: sales@zircarzirconia.com

Product Type	Item #
Buster HS	SAMPLE - BKHS

Samples measure
1.8"x 2.8"



Custom Design Quotations

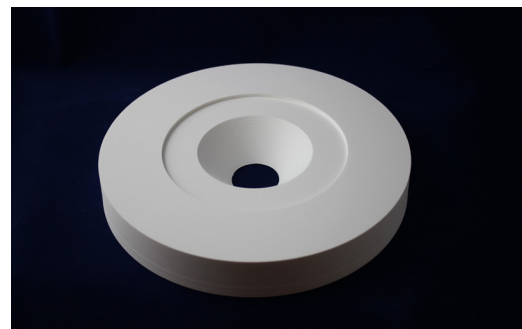
Contact Us For A Quotation For Your Custom Part

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



Zircar welcomes our customers to take advantage of our machining department's expertise for all your custom machining needs.



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