

Buster Paper

Polycrystalline Alumina Refractory Paper

**The Cost Effective Option
for High Temperature
Insulation**

Buster Paper Features

- Withstands Temperatures to Over 1500 °C
- High Purity
- Low Thermal Conductivity
- Flexible
- Excellent Tensile Strength
- Easily Die Cut
- Organic Binder to Burn Out at 300 °F
- 1/32" - 1/4" Thicknesses Available



Easily Die Cut... Excellent Tensile Strength...

Made with high purity polycrystalline alumina fibers.

Product Information

Zircar supplies Buster Paper, a polycrystalline alumina refractory ceramic paper. It is offered in sheets and rolls in various thicknesses and lengths. As with any of our textiles, Buster paper is easily die cut to any custom shape, and can be milled by our custom machining team. It is an ideal choice for gaskets, seals, and separators for a number of different applications.

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 Paper
Color	White
Bulk Density, lb/ft ³ (g/cm ³)	7-10 (.11-.16)
Rated Continuous Use Temperature ⁽¹⁾ , °C (°F)	1538 (2800)
Maximum Use Temperature ⁽¹⁾ , °C (°F)	1648 (3000)
Melting Point °C (°F)	1982 (3600)
Tensile Strength, MPa (psi)	.17-.27 (25-40)
Loss on Ignition, %	6-10
Thermal Conductivity - k	
W/mk (BTU/hr ft ² °F/inch) at 260 °C	.05
W/mk (BTU/hr ft ² °F/inch) at 538 °C	.08
W/mk (BTU/hr ft ² °F/inch) at 816 °C	.12
W/mk (BTU/hr ft ² °F/inch) at 1093 °C	.18
W/mk (BTU/hr ft ² °F/inch) at 1204 °C	.2
W/mk (BTU/hr ft ² °F/inch) at 1316 °C	.23
W/mk (BTU/hr ft ² °F/inch) at 1427 °C	.27
W/mk (BTU/hr ft ² °F/inch) at 1538 °C	.32
Chemical Composition (nominal)	
Oxide	Wt%
Al ₂ O ₃	95
SiO ₂	5
Other Oxides	Trace

⁽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 Paper	SAMPLE - BQ

Samples measure
1.8" x 2.8"



Custom Design Quotations

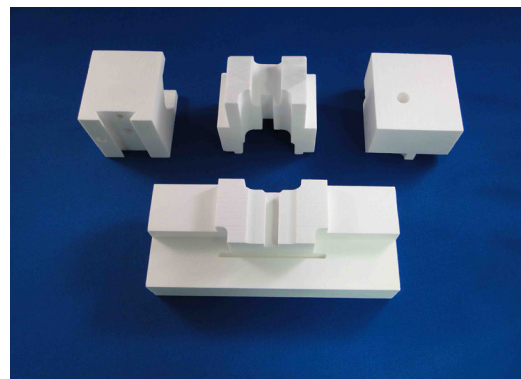
Contact Us For A Quotation For Your Custom Part

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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