360 MATERIALS
Because Every Degree Counts

Alumina Ceramic Paper 1650C



TECHNICAL BENEFITS

- Polycrystalline structure does not devitrify for stability throughout temperature range
- Zero shot also contributes to greater stability
- Uniform Density and Thickness
- Melting point of 1980C
- Controlled fiber diameter creates high tensile strength fibers
- Low mass
- Low thermal conductivity (K)

OPERATIONAL BENEFITS

- Safe to use: Larger fiber diameter (3.5 um) is non-respirable (Non-RCF)
- Increased service life
- Increased furnace reliability
- Increased productivity
- Lowered operating costs
- Improved product quality

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Material Properties & Characteristics

Grade	1650	1650
Density (pcf)	8	7
Nominal Composition (wt%)		
Alumina	97	88
Silica	3	9
Trace Elements	<0.2	3
Loss on Ignition	8	0
Melting Point (deg C)	1980	1960
Maximum Use Temperature (deg C)	1650	1650
% Linear Shrinkage (8 hrs at Grade)	3	3
Thermal Conductivity (Wm/K)		
At 800C	0.10	0.10
At 1000C	0.14	0.14
At 1200C	0.17	0.17

Standard Sizes

- Item ACP001 – 8pcf alumina paper 24” x 50 ft x 1/16”
- Item ACP002 – 8pcf alumina paper 24” x 50 ft x 1/8”
- Item ACP003 – 8pcf alumina paper 24” x 25 ft x 1/4”
- Item ACP021 – 7pcf binder free paper 24” x 24” x 1/16”
- Item ACP022 – 7pcf binder free paper 24” x 50 ft x 1/8”
- Item ACP023 – 7pcf binder free paper 24” x 25 ft x 1/4”

TECHNICAL SUPPORT

Drawing upon 30 years experience in ceramics and thermal processing, 360 Materials supplies material solutions for all atmospheres up to 2400C.

IN STOCK INVENTORY

Call us at (845) 645-3635

CUSTOM SIZING

Custom sizes and shapes available upon request.

For more information on any of our products or services please contact us at: (845) 645 – 3635 or sales@360mtls.com