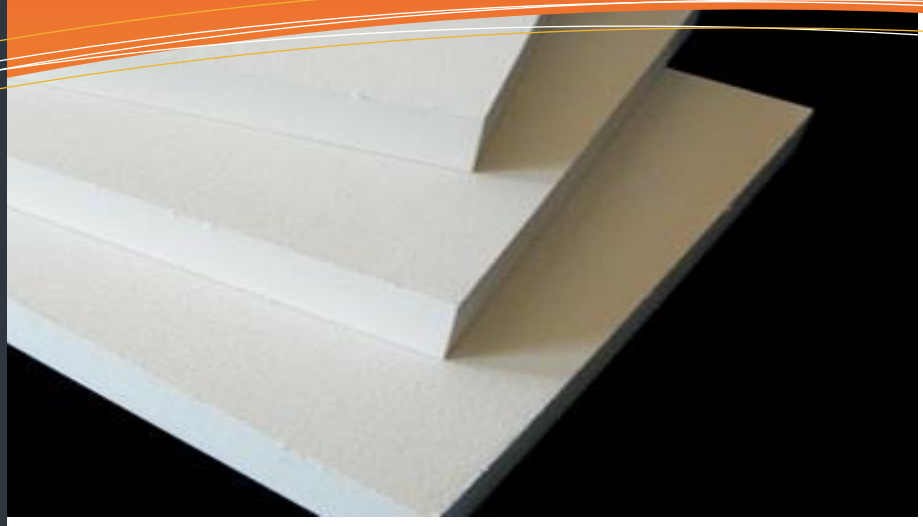
360 MATERIALS
Because Every Degree Counts

Mullite Fiber Insulation Boards 1600, 1700 and 1800C



TECHNICAL BENEFITS

- Polycrystalline structure does not devitrify for stability throughout temperature range
- Zero shot provides greater stability
- Uniform Density and Thickness
- High melting point above 1800C
- Controlled fiber diameter creates high tensile strength fibers
- Low mass, low heat storage
- Low thermal conductivity (K)
- Microwave transparent

OPERATIONAL BENEFITS

- Safe to use: Larger fiber diameter (6 um) is non-respirable (Non-RCF)
- Increased service life
- Reduced lining repair shut downs
- Increased furnace reliability
- Increased productivity
- Lowered operating costs
- Improved product quality

P.O. Box 317, Chester, NY 10918 www.360mtls.com 845-645-3635 360mtls@mail.com

360 MATERIALS
Because Every Degree Counts

Mullite Fiber Insulation Boards 1600, 1700 and 1800C

Material Properties & Characteristics

Grade	1600C	1700C	1800C
Nominal Composition (wt%)			
Alumina	65	75	75
Silica	35	25	25
Trace Elements	<0.5	<0.5	<0.5
Organics	0	0	0
Melting Point (deg C)	1850	1850	1850
Maximum Use Temperature (deg C)	1600	1700	1800
% Linear Shrinkage (8 hrs at Grade)	2	2	3
Thermal Conductivity (Wm/K)			
At 20C	0.07	0.07	0.07
At 1000C	0.17	0.17	0.23
At 1200C	0.24	0.24	0.29

Standard Sizes

- Item MBD001 – 1600 Mullite Board, 23.6” x 35.4” x 1”
- Item MBD002 – 1600 Mullite Board, 23.6” x 35.4” x 2”
- Item MBD003 – 1700 Mullite Board, 23.6” x 35.4” x 1”
- Item MBD004 – 1700 Mullite Board, 23.6” x 35.4” x 2”
- Item MBD005- 1800 Mullite Board, 23.6” x 35.4” x 1”
- Item MBD006- 1800 Mullite Board, 23.6” x 35.4” x 2”

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 visit us at: www.360mtls.com