360 MATERIALS
Because Every Degree Counts

Mullite Blanket 1600C



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
- <1% shrinkage at 1500 C (2732F)
- Remains soft and resilient up to 1300 C (2372F)
- Controlled fiber diameter creates high tensile strength fibers
- Low thermal conductivity (K)
- Low heat storage

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

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Material Properties & Characteristics

Grade	1600C
Nominal Composition (wt%)	
Alumina	75
Silica	25
Trace Elements	<0.5
Organics	0
Melting Point (deg C)	1800
Maximum Use Temperature (deg C)	1600
% Linear Shrinkage (6 hrs at 1500C)	<1
Thermal Conductivity (Wm/K)	
At 20C	0.07
At 1200C	0.43
At 1400C	0.65

Standard Sizes

- Item MBL001 – 6 pcf Mullite Blanket, 24” x 17.5 ft x ½”
- Item MBL002 – 6 pcf Mullite Blanket, 24” x 70.5 ft x ½”
- Item MBL003 – 6 pcf Mullite Blanket, 24” x 8.5 ft x1”
- Item MBL004 – 6 pcf Mullite Blanket, 24” x 35 ft x 1”
- Item MBL005- 8 pcf Mullite Blanket, 24” x 8.5 ft x 1””
- Item MBL006- 8 pcf Mullite Blanket, 24” x 35 ft x 1”

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