



# MUBW- FUSED MULLITE

## FUSED MULLITE (AL<sub>2</sub>O<sub>3</sub> - SiO<sub>2</sub>) FOR REFRACTORIES

### ABOUT:

MUBW is an extremely pure fused mullite obtained from fusion of silica sand and alumina in an electric arc furnace. It presents low iron contamination, low thermal expansion, high thermal shock resistance and high temperature strength. It is an excellent material for investment casting and other refractory applications.

TYPICAL CHEMICAL ANALYSIS	
Al <sub>2</sub> O <sub>3</sub>	73.10%
SiO <sub>2</sub>	26.30
Fe <sub>2</sub> O <sub>3</sub>	0.03
Na <sub>2</sub> O	0.40
CaO	0.06

TYPICAL PHYSICAL PROPERTIES	
Crystal Structure:	Orthorhombic
Melting Point:	1850° C
Color:	Grey
Specific Gravity:	3.08 g/cc
Average Crystal Size:	2,000 µm
Reversible Linear Expansion:	0.85% at 1400° C
Apparent Porosity:	3.0%
Apparent Specific Density:	3.04 g/cm <sup>3</sup>

App. Porosity & App. Specific Density by ASTM C 20-00

AVAILABLE SIZES	
MESH	METRIC (mm)
3/4" x 5/16"	19.1 - 8.00
5/16" x 4	8.00 - 4.75
4 x 10	4.75 - 2.00
10 x 20	2.00 - 0.850
10 x 40	2.00 - 0.425
20 x 40	0.850 - 0.425
40 x 200	0.425 - 0.075
TPF II	- 0.212
200 MF	- 0.075
325 MF	- 0.045
*Other sizes available upon request	

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