



MUBS- FUSED MULLITE

FUSED MULLITE (AL₂O₃ - SiO₂) FOR REFRACTORIES

ABOUT:

MUBS is a fused mullite obtained from fusion of silica sand and alumina in an electric arc furnace. It is less pure than MUB but also presents low thermal expansion and high thermal shock resistance that make MUBS an excellent material for investment casting and other refractory applications.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	73.81%
SiO ₂	25.03
Fe ₂ O ₃	0.31
Na ₂ O	0.53
CaO	0.23

TYPICAL PHYSICAL PROPERTIES

Crystal Structure:	Orthorhombic
Melting Point:	1850° C
Color:	Grey
Specific Gravity:	3.13 g/cc
Average Crystal Size:	2,000 µm
Reversible Linear Expansion:	0.85% at 1400° C
Apparent Porosity:	3.0%
Apparent Specific Density:	3.07 g/cm ³

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

USEM

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