

MUBW - Fused Mullite

Fused Mullite (Al_2O_3 - SiO_2) for refractories

MUBW is an extremely pure fused mullite obtained from fusion 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 Physical Properties

Cristal Structure	Melting Point	Color	Specific Gravity	Average Cristal Size	Reversible Linear Expansion	Apparent Porosity	Apparent Specific Density
Orthorhombic	1,850° C	Grey	3.13 g/cc	2,000 μm	0.85% at 1,400° C	3.0%	3.07 g/cm ³

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

Chemical Analysis by XRF (%)

Al_2O_3	SiO_2	Fe_2O_3	Na_2O	CaO
73.10	26.30	0.03	0.40	0.06

Grit Sizes

Size (astm)	Size (mm)
3/4" / 5/16"	19.1 - 8.00
5/16" / 4	8.00 - 4.75
4 / 10	4.75 - 2.00
10 / 20	2.00 - 850 μm
10 / 40	2.00 - 425 μm
20 / 40	850 - 425 μm
40 / 200	425 - 75 μm
TPF II	- 212 μm
200 MF	- 75 μm
325 MF	- 45 μm

* Other grit sizes upon request.

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