

MUW

White Fused Mullite

MUW is a fused mullite obtained from fusion of high quartz and alumina in an electric arc furnaces. It presents low thermal expansion and high thermal shock resistance that make MUW an excellent material for investment casting and other refractory applications.

General Characteristics

True Specific Gravity	Melting Point	Crystalline Structure	Color
3.08 g/cm ³	1,850 °C	Orthorhombic system	White

Chemical Analysis by XRF (%)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	Na ₂ O	CaO
73.95	25.61	0.05	0.32	0.04

Typical Physical Properties

Apparent Porosity	Apparent Specific Density
5.03%	2.94 g/cm ³

Apparent Porosity and Apparent Specific Density by ASTM Designation C 20-00.

Grit Size

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.