



Advanced Ceramic Technologies

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MV30 MULLITE

TYPE C610 TO IEC 60672

Composition

Alumina	Al ₂ O ₃	60.0%
Silica	SiO ₂	37.9%
Iron Oxide	Fe ₂ O ₃	0.5%
Potassium Oxide	K ₂ O	0.6%
Titania	TiO ₂	0.5%
Sodium Oxide	Na ₂ O	0.2%
Calcium	CaO	0.1%
Magnesia	MgO	0.2%

Physical Properties

Bulk Density	Open Porosity	Flexural Strength	Compressive Strength
		20°C	20°C
2.8 g/cm ³	0%	180 Mpa	1310 Mpa
175 lbs/ft ³	0%	26 ksi	190 ksi

Thermal Properties

Conductivity		Expansion Coefficient	Max Use Temperature (no load)
20°C	800°C		
6 W/m°K	3.6 W/m°K	5.4x 10 ⁻⁶ /C°	1500°C
42 BTU.in/ft ² .hr°F	25 BTU.in/ft ² .hr°F	3.0 x 10 ⁻⁶ /F°	2732°F

These values represent typical properties of standard materials.

Values should be used only for comparison and should not be used as a warranty.