

Keral 96

Alumina content 96%

Applications

- alumina substrate material for thickfilm technology
- sensor protection plate
- electrical insulator

Advantages

- inexpensive substrate material
- good electrical insulation capability
- good mechanical strength
- good thermal conductivity
- cuttable by laser or waver saw
- good evenness



Typical characteristics	Unit	Value
Colour		white
Gross density	g/cm ³	3.78
Surface roughness R _a	µm	0.6
Bending strength	MPa	400
Dielectric strenght at 20°C	kV/mm	15
Thermal expansion coeffizient 20 - 600°C	10 ⁻⁶ K ⁻¹	~ 7
Thermal conductivity	W/mK	24
Dimensions	mm	on request
Thickness	mm	0.25 up to 1.5
Structure		dense
Main components	%	96% Al ₂ O ₃

Keral 96 is a substrate material for thick-film coating applications. This material has good electrical properties and a good thermal conductivity. Other ingredients are mainly SiO₂, MgO and CaO. It is a low-cost alternative thick-film substrate material compared to Keral 99.

! We cut the material according to your wishes!
Please send in your CAD data.

Note

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The specifications provided in this data sheet do not constitute a guarantee or warranty of specific product properties („quality guarantee“). These specifications are derived from our standardized testing procedures conducted under controlled laboratory conditions and are intended to describe the typical properties of the products as expected under standard applications. Variations may occur depending on the specific application. Accordingly, it is the responsibility of the customer to test and evaluate the products for their intended use, and adjustments to the application may be required.

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12-2024