

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 coeffizi-ent 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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