

Keral 96

Alumina content 96%



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 SiO_2 , MgO and CaO . It is a low-cost alternative thick-film substrate material compared to Keral 99.

 **We lasercut** the material according to your wishes!

Please send in your CAD data.

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_2O_3

Advantages

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

Applications

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

NOTE:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. KERAFOL® is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. All specifications are subject to change without notice. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded. In case KERAFOL® would be nevertheless held liable, on whatever legal ground, KERAFOL®'s liability will in no event exceed the amount of the concerned delivery. All KERAFOL® products are sold pursuant to the Kerafol's Terms and Conditions of sale and delivery in effect from time to time, a copy of which will be furnished upon request.