

Keral 99 TF

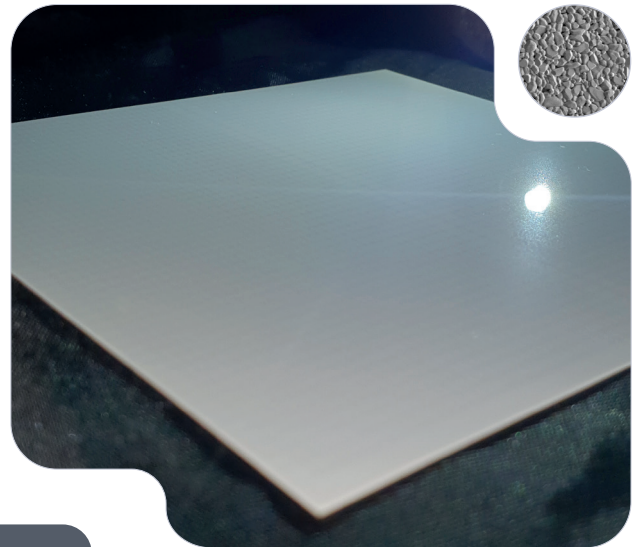
Thinfilm-Substrates

Applications

- thinfilm application, e.g. temperature sensors

Advantages

- very fine-grained homogeneous grain structure
- good electric insulation properties at room temperature
- extremely good mechanical strength
- can be cut by laser or waver saw
- good evenness



Typical characteristics	Unit	Value
Colour		white
Density	g/cm ³	3.85
Surface roughness R _a	µm	< 0.09
Bending strength	MPa	> 500
camber longest edge	%	0.2
Dielectric strenght at 20°C	kV/mm	> 10
Thermal conductivity	W/mK	30
Standard dimensions	mm	101.6 x 101.6 and 50.8 x 50.8
Thickness	mm	0.38
Structure		dense
Main components	%	99.6% Al ₂ O ₃
Gransize media	µm	< 2.0

When we are talking about reliable and economic thinfilm quality, we are talking about K99TF.

Due to the unique formulation and raw material choice our R&D department formed a substrate material which shows reliable quality, high performance at ambient pricing.

The smooth surface, strength and accuracy in size is a great advantage when it comes to deal with new thinfilm projects or even replace other available qualities.

- ! 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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