

Keralpor Ultra Sinter-Plates

PRELIMINARY DATA SHEET

Applications

- Sinter-Plates für the metal injection moulded (MIM) debinding and sintering process.
- Sinter-Plates for the LTCC & HTCC debinding and sintering process.
- Sinter-Plates for the dental ceramics
- Sinter-Plates for the ceramic injection moulded (CIM) debinding sintering process
- Diaphragma for gas-sensors

Advantages

- Save of energy costs due to lowder weight
- Save of process time due to good thermal shock resistance
- Increased yield
- smoother surfaces
- Fine porous structure
- High alumina content with (>99% Al_2O_3)
- Low or even no contact reactions with your materials
- No high tooling costs due to our process of using a ceramic tape
- Use one plate for debinding and sintering, no extra shelves



Fine grainsized porous high alumina ceramic plate with a brought field of applications and outstanding properties

Typical characteristics	Unit	Value
Colour		white
Density	g/cm^3	2.7
Bending strength	MPa	> 90
Main components	%	> 99 Al_2O_3
Surface roughness	μm	0.4
Camber longest edge	%	< 0.3
Porosity	%	32 - 35
Thickness	mm	1.5
Max. operation temperatur	$^{\circ}\text{C}$	1500
Surface roughness R_a	Ra	0.4

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

Note

Disclaimer of Warranties and Limitation of Liability

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.

The customer assumes full responsibility for the safety and functionality of their applications in which these products are integrated. Appropriate safety measures must be implemented to prevent bodily injury, fire, or other damages resulting from product defects. The customer is also responsible for ensuring that the design of their application complies with all applicable laws, regulations, codes, and standards. Unless expressly authorized by us in writing, our products must not be used in any application where product failure or the consequences thereof could reasonably be expected to result in personal injury or harm. We make no representations, warranties, or assurances regarding the accuracy, completeness, or suitability of the information contained herein, including, without limitation, any warranty of non-infringement of third-party intellectual property rights.

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