

# Keralpor 99 & KeraEx (Micro-)Structured Surface Ceramic Setter Plates

NEW

## Applications

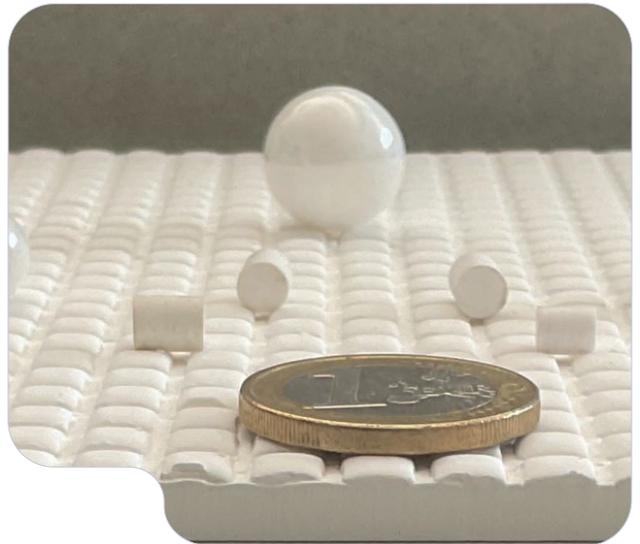
- Metal injection molding (MIM) and ceramic injection molding (CIM) during debinding and sintering of complex shapes
- Additive manufacturing (AM), providing support and sintering of 3D printed ceramic and metal parts
- Low temperature and high temperature co fired ceramics (LTCC & HTCC)
- Dental ceramics, such as crowns, bridges, and other dental components
- Positioning of rotationally symmetric components: no rolling during robot manipulation and during sintering in the continuous furnace.

## Advantages

- Prevents rolling of rotational parts during handling
- Minimized contact reactions protect delicate components
- Structured surface and open pores allow defect-free debinding
- Customizable micro-/macrostructures ensure optimal support
- High thermal and chemical stability (>99 % Al<sub>2</sub>O<sub>3</sub>)
- Flexible size and shape for various furnaces and systems
- Multi-application use across MIM, CIM, AM, dental, fuel cell, and sensors

### ! Typical characteristics see Data Sheets:

- Keralpor 99
- KeraEX



The Keralpor 99 and KeraEx (Micro-) Structured Surface Plates deliver high strength and defect-free sintering for MIM/CIM, additive manufacturing, co-fired ceramics, dental, fuel cell, and sensor applications. Structured surfaces prevent rolling, open porosity ensures controlled debinding, and customizable dimensions simplify production, reduce scrap, and maximize yield.

## 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.

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