ZirPor
Ceramic Setter Plates (Porous Zirconia, 5YSZ)

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
- Processing of components made from reactive (transition) metals such as titanium
- Fuel cell components
- Prototyping, small-series, and full-scale production

Advantages

- Minimized contact reactions protect delicate parts
- Controlled porosity enables defect-free debinding
- Smooth surfaces (Ra < 2.0 µm) for high-quality parts
- Customizable size and shape for flexible use
- Multi-application support for MIM, CIM, titanium, and fuel cells
- Reproducible, defect-free sintering

The ZirPor Ceramic Setter Plates offer high strength and consistent, defect-free sintering for MIM/CIM, additive manufacturing, titanium, and fuel cell components. Porous structure ensures controlled debinding, smooth surfaces, and minimized contact reactions, while customizable dimensions and versatile use simplify production and maximize yield.

Typical characteristics	Unit	Value
Colour		white
Open porosity	%	8 - 9
Total porosity	%	28 - 32
Max. operation temperatur	°C	1350
Surface roughness R_a	µm	< 0.2

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

kerafol.com

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 there of 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.

We disclaim all liability arising from the application or use of the products described in this document. This document does not grant any license, express or implied, under any patents, copyrights, trade secrets, or other intellectual property rights, whether ours or those of third parties. Furthermore, we make no warranty or guarantee against potential infringement of third-party intellectual property rights arising from the use or application of our products.

Products may contain substances subject to regulatory labeling requirements; such information is provided in the corresponding safety data sheets. This document supersedes all prior information and may be updated or replaced at our discretion. We reserve the right to make changes to this document without notice.

03-2026