

Keralpor 99

Setter plates / kiln furniture



MATERIAL:

- porous alumina ceramic
- Keralpor 99 with a content of 99% Al_2O_3 and a porosity of 40%

ADVANTAGES:

- When using Keralpor as sintering base or sintering support its high planarity makes it possible to achieve very accurate sinter results.
- Due to the porosity of alumina ceramic gases can diffuse by the material.
- When sintering products contain high amounts of binder, the debinding gases can be removed well.
- Due to Keralpor's small thickness and gross density the weight of the individual plates is very light. Thereby the kiln furniture setup is not additionally strained.
- By the porous structure of Keralpor adherences of the overlying green ware can be avoided.
- Keralpor is especially suitable for sintering thin ceramic films like SOFC and LTCC.

APPLICATIONS:

As sintering base with the thermal treatment of LTCC, piezo-ceramics, SOFC-electrolytes, dental ceramics and metallic materials to 1500 °C.

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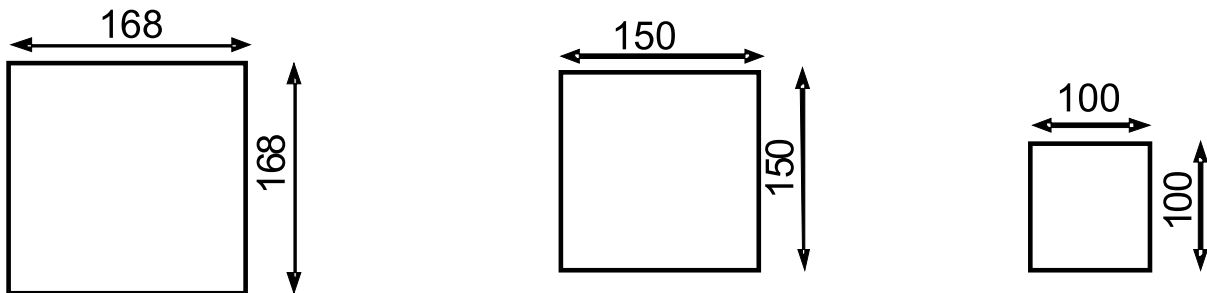
CHARACTERISTICS:

Characteristics	Unit	Keralpor 99
Colour		weiß
Gross density	g/cm ³	2.56
Porosity	Vol%	40
Surface roughness R _{max}	µm	12
Surface roughness R _a	µm	0.7
Bending strength DIN 52 292	MPa	about 60
Camber	%	≤ 0.3

TYPICAL FORMATS:

Keralpor 99
DIN A5 (148 x 210 mm ²)
100 x 100 mm ²
150 x 150 mm ²
168 x 168 mm ²

without yardstick



All formats are available with a thickness of 1.0 / 1.5 / 2.0 mm!

Customized formats thicknesses on request!