



Alumina Crucibles and Substrates

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Technical Data Sheet: 195Z Lime Stabilised Zirconia

Description

A lime (CaO) stabilised zirconia material with an apparent porosity of 19.5%. The material is highly thermal shock resistant and suitable for acidic materials & slags. It is ideally suited to melting superalloys and precious metals.

Physical Data

Colour	Amber
Apparent Porosity	19.5%
Density	4.25 g/cm ³
Max service temperature	>2000°C

Compositional Data

Oxide	Composition
Zirconia and Hafnia (ZrO ₂ + HfO ₂)	>93.6%
Lime (CaO)	3.75%
Magnesium Oxide (MgO)	0.01%
Silica (SiO ₂)	1.26%
Alumina (Al ₂ O ₃)	0.66%
Iron oxide (Fe ₂ O ₃)	0.09%

Please note: All data is generated from test pieces and should be considered as 'typical' data.