

Kiln furniture for your future

ALPHA CERAMICS Aachen

ALPHA CERAMICS GmbH Jülicher Strasse 334 D-52070 Aachen



alpha ceramics

Chemical Composition

Al ₂ O ₃	0,08	
SiO ₂	0,22	
ZrO ₂	95,9	
Fe ₂ O ₃	0,04	% wt.
TiO ₂	0,24	
MgO + CaO	3,52	
K ₂ O + Na ₂ O		

Alpha-Zircoxid

Mechanical Properties

Apparant density	3850	Kg /m ³
Open porosity	35	Vol. %
3-pt bending strength (20°C)	30	MPa
Modulus of elasticity		GPa

Thermal Properties

Thermal shock resistance	good	
Maximum working temperature	1400	°C
Expansion coefficient (1400°C)	7,8	10 ⁻⁶ /K

N.B.: Data given in this technical information sheet have been determined as average values on test specimens and should only be used as a guidance

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