

Kiln furniture for your future

ALPHA CERAMICS Aachen

ALPHA CERAMICS GmbH Jülicher Strasse 334 D-52070 Aachen



Chemical Composition	Alpha-Zinkoxid	
ZnO	99,8	
SiO ₂	0,08	
ZrO ₂		
Fe ₂ O ₃	0,06	% wt.
TiO ₂	0,01	
MgO + CaO	0,02	
K ₂ O + Na ₂ O		

Mechanical Properties		
Apparant density	5500	Kg /m ³
Open porosity	0	Vol. %
3-pt bending strength (20°C)	35	MPa
Modulus of elasticity		GPa

Thermal Properties		
Thermal shock resistance		
Maximum working temperature	1200	°C
Expansion coefficient (1400°C)		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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