

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	83,1	
SiO ₂	15,6	
ZrO ₂		
Fe ₂ O ₃	0,2	% wt.
TiO ₂		
MgO + CaO	0,1	
K ₂ O + Na ₂ O	0,6	

Alphoxit 82 WMA

Mechanical Properties

Apparant density	2600	Kg /m ³
Open porosity	27	Vol. %
3-pt bending strength (20°C)	30	MPa
Modulus of elasticity	16	GPa

Thermal Properties

Thermal shock resistance	good	
Maximum working temperature	1550	°C
Expansion coefficient (1400°C)	5,8	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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