

Kiln furniture for your future

ALPHA CERAMICS Aachen

ALPHA CERAMICS GmbH Jülicher Strasse 334 D-52070 Aachen



alpha ceramics

Chemical Composition	Alphacorid	
Al ₂ O ₃	34,5	
SiO ₂	54,5	
ZrO ₂		
Fe ₂ O ₃	1,1	% wt.
TiO ₂	0,5	
MgO + CaO	7,1	
K ₂ O + Na ₂ O	1,2	

Mechanical Properties		
Apparant density	1840	Kg /m ³
Open porosity	27	Vol. %
3-pt bending strength (20°C)	12	MPa
Modulus of elasticity	25	GPa

Thermal Properties		
Thermal shock resistance	very good	
Maximum working temperature	1300	°C
Expansion coefficient (1400°C)	2	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

HRB 7493 Aachen
Tel. 0241/16003-0
Fax 0241/16003-29
Ust-Ident-Nr.: DE 812 75 77 39

Bankaccount:
Sparkasse Aachen
Bankcode no. 390 500 00
Account no. 25 026 220

General Manager:
Robert Guntlin
info@alpha-ceramics.de