

Kiln furniture for your future

ALPHA CERAMICS Aachen

ALPHA CERAMICS GmbH Jülicher Strasse 334 D-52070 Aachen



Chemical Composition	Alphacarbid 40	
Al ₂ O ₃	43,3	
SiO ₂	16,6	
SiC	38,9	
Fe ₂ O ₃	0,37	% wt.
TiO ₂	0,38	
MgO + CaO	0,18	
K ₂ O + Na ₂ O	0,20	

Mechanical Properties		
Apparant density	2560	Kg /m ³
Open porosity	14	Vol. %
3-pt bending strength (20°C)	20	MPa
Modulus of elasticity		GPa

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