

MATERIAL DATA SHEET

Material name		B-95A
Properties	units	
Al ₂ O ₃ - content	(m/m) %	95
Na ₂ O - content	(m/m) %	0,3
Bulk density	g/cm ³	min. 3,60
Open porosity	%	0
Compressive strength	MPa	min. 2600
Bending strength	MPa	min. 280
Vickers Hardness	Hv 10	min. 1100
Young's Modulus	GPa	300
ASTM C704 abrasive test	cm ³	0,22 – 0,25
Coefficient of linear expansion		
20 to 200 °C	x 10 ⁻⁶ / K	5 - 6
20 to 400 °C		6 - 7
20 to 600 °C		6 - 8
20 to 800 °C		7 – 9,5
20 to 1000°C		7 – 8,5
Specific Heat	J/kg*K	700 - 850
Water Absorption	%	0
Thermal Conductivity (20-100°C)	W/m*K	16 - 24
Electric strength	KV/mm	10
Colour		white
Thermal shock resist	ΔT °C	250

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