

MATERIAL DATA SHEET

Material name		B-95V
Properties	units	
Al ₂ O ₃ - content	(m/m) %	95
Na ₂ O - content	(m/m) %	0,1
Bulk density	g/cm ³	min. 3,67
Open porosity	%	0
Compressive strength	MPa	1800
Bending strength	MPa	300
Vickers Hardness	Hv 10	min. 1100
Young's Modulus	GPa	300
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	15
Colour		white
Thermal shock resist	ΔT °C	250

THE INFORMATION IN THIS DATA SHEET IS FOR DESIGN GUIDANCE ONLY. BAKONY TECHNICAL CERAMICS LTD. DOES NOT WARRANTY THIS DATA AS ABSOLUTE VALUES. FORMING METHODS AND SPECIFIC GEOMETRY COULD AFFECT PROPERTIES.