



Bakony Ipari Kerámia Kft.

Bakony Technical Ceramics Ltd.

MATERIAL DATA SHEET

Material name		B-95AP
Properties	units	
Al ₂ O ₃ - content	(m/m) %	95
Na ₂ O - content	(m/m) %	0,3
Bulk density	g/cm ³	min. 3,65
Open porosity	%	0
Compressive strength	MPa	1800
Bending strength	MPa	280
Vickers Hardness	Hv10	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	10
Colour		pink
Max. temperature of application	°C	1400
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.

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