

MATERIAL DATA SHEET

Material name		B-96
Properties	units	
Al ₂ O ₃ - content	(m/m) %	96
Bulk density	g/cm ³	min. 3,80
Open porosity	%	0
Compressive strenght	MPa	> 2500
Flexural strength	MPa	> 320
Weibull modulus	-	>10
Young's Modulus	GPa	330
Coefficient of linear expansion		
20 to 200 °C	x 10 ⁻⁶ / K	5 - 6
20 to 400 °C		7,28
Hardness	Moh's scale	9
Hardness	Hv 10	min. 1400
Main crystal size	µm	2 - 3
Specific Heat	J/kg*K	850
Water Absorption	%	0
Thermal Conductivity (20-100°C)	W/m*K	18 - 24
Electric strength	KV/mm	15
Thermal shock resist	ΔT°C	200
Colour		white

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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