



TECHNICAL DATA SHEET OF DURALOX 96W (C795)

	PROPERTIES	VALUE
CHEMICAL	Al ₂ O ₃	96 %
	SiO ₂	2.5 %
	MgO	1.0 %
	Others	0.5 %
PHYSICAL	Colour	White
	Surface Finish	Smooth
	Density	3.85 ± 0.05 g/cm ³
	Bulk Density	-
	Porosity	Nil
	Water Absorption	Nil
	Hardness on Moh's Scale	9+
	Hardness on Vicker's Scale	1525 Hv ₅
	Flexural Strength 3 P.B. (@ Room Temperature)	450 MPa
	Compressive Strength (@ Room Temperature)	2200 MPa
	Young's Modulus	320 GPa
	Crushing Strength	-
	Bead Sphericity 90%	-
	% Cumulative Weight Loss / Hr	
	After 24 Hrs.	-
	After 96 Hrs.	-
THERMAL	Coefficient of Linear Thermal Expansion (Room Temperature to 1000 °C)	7.9 x 10 ⁻⁶ / °C
	Thermal Conductivity (@ Room Temperature)	24 W/mK
	Max Temperature of Use (No Load Condition)	1550 °C (2822 °F)
ELECTRICAL	Dielectric Strength (@ Room Temperature)	20 kV/mm
	Dielectric Constant (@ Room Temperature @ 1 MHz)	8.5
	Dissipation Factor (@ Room Temperature @ 1 MHz)	0.0003
	Volume Resistivity (@ Room Temperature)	>10 ¹⁴ Ω.cm
	Te - Value	850 °C (1562 °F)

Kindly note that all values mentioned are based on test pieces and may vary according to component design and manufacturing process. The values are not guaranteed by Jyoti Ceramic Ind. in anyway whatsoever and should be treated as indicative only. All values refer to a testing temperature of 20 °C, unless otherwise specified.



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