

Grade: AD-Z95

Manufacturer: Graphtek LLC

Description: Chemical Composition: Zirconia (ZrO₂) >95%; Silica (SiO₂) <0.01%; Iron Oxide (Fe₂O₃) <0.01%; Sodium Oxide (Na₂O) <0.005%; Calcium Peroxide (CaO₂) 4 +/- 1%; Chlorides (CL-) <0.02%; Aluminum Oxide <0.1%

PROPERTY	US VALUE		METRIC VALUE	
Density	0.217	lb/in ³	6	gr/cm ³
Porosity	0	% VOL	0	% VOL
Compress. Strength	377,098	psi	2600	MPa
Flex Strength	130,533	psi	900	MPa
Thermal Conductivity	1.16	BTU/(h.ft ² °F/ft)	2	W/(m ² . K/m)
Coefficient of Thermal Expansion	6.3	x 10 ⁻⁶ /F	11.4	x 10 ⁻⁶ /C
Max. Temperature	3,812	°F	2,100	°C