

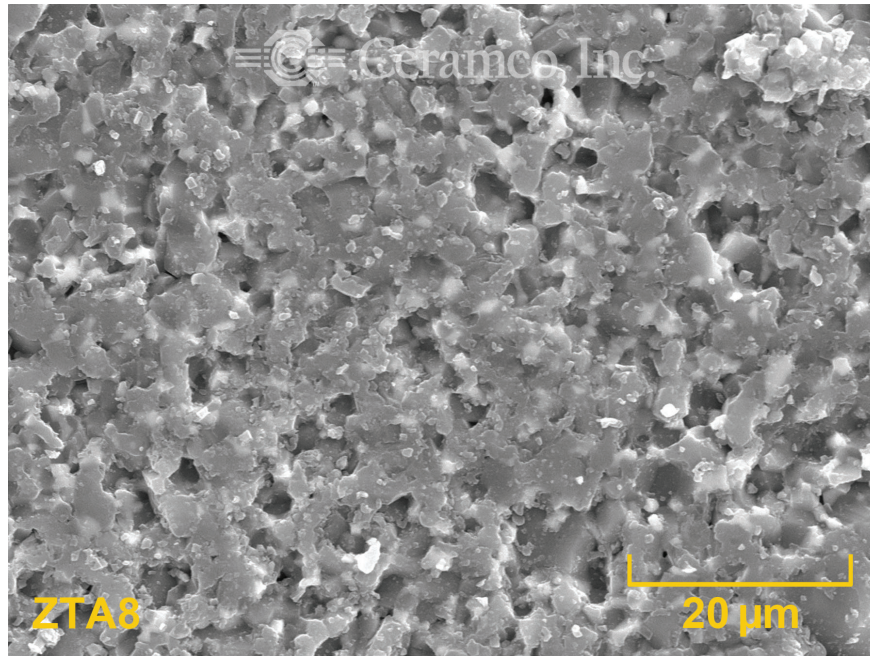


Ceramco, Inc.

Manufacturing OEM Ceramic Parts of Complex Geometries

Material Certification Reference

Date: April 2, 2019
Material: ZTA8 (Zirconia formulation)
Process: LPIM - Low Pressure Injection Molding
Microstructure:



Electron Microscope, Scanning- Tescan Lyra3 GMU FIB SEM, University of New Hampshire

Composition:	Oxide	wt %
	Na ₂ O	0.0304
	SiO ₂	0.07763
	Fe ₂ O ₃	0.01239
	CaO	0.0423
	MgO	0.00918
	B ₂ O ₃	0.0017
	TiO ₂	0.0135
	ZrO ₂ +HfO ₂ +Y ₂ O ₃ ,	14.925
	Al ₂ O ₃	84.8879
	Total	100.00

The number of digits after the decimal point do not indicate the degree of accuracy.

The accuracy of these data are +/-0.05 %

Chemical composition data are from actual lot(s) of raw material as received from their source(s). Lots presently in production last updated as of the date above. Information on all lots are retained for traceability. You must request a Material Certification at the time of order to accompany shipment(s).

For more information about this material, or any other material, its certification, or process, please contact us.

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