

CT-62

Ceramic Core Material Properties Typical Analysis

Applications:
For DS and single
crystal casting

Choosing the correct blend of material is a critical component to ensuring the successful performance of your ceramic cores in the investment casting process. The materials we use in our ceramic cores feature excellent alloy compatibility and consistent quality.

Method:	Poured Core	
Trace Elements (PPM):	Pb - Lead	10
	Bi - Bismuth	<1
	Ag - Silver	<10
	Sb - Antimony	5
	Zn - Zinc	5
	Sn - Tin	5
	Fe - Iron	250
Physical Properties:	Apparent Porosity	25%
	Water Absorption	12%
	Apparent Specific Gravity	2.60
	Bulk Density (g/cm ³)	1.90
	Modulus of Rupture (MOR) (psi)	1200
	Thermal Expansion RT to 2800° F	0.2%
	Cristobalite	8%

Note: These values are not guaranteed and should be used only as indications of material properties. Core-Tech reserves the right to change, modify or eliminate analysis at any time.

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