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Critical Point **Describing a
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assistance, contact ACerS
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Phase Archives | The
American Ceramic Society
The partial vitrification
process can be analyzed
through a phase diagram such
as that shown in Traditional
ceramics - Traditional
ceramics - Vitrification:
The ultimate purpose of
firing is to achieve some

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measure of bonding of the particles (for strength) and consolidation or reduction in porosity (e.g., for impermeability to fluids).

Traditional ceramics -
Vitrification | Britannica
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of-the-art database of
evaluated phase equilibria
data for industrial and
academic customers. NIST
(then NBS) staff played key
roles in establishing the
project as a data-driven
extension of existing core
expertise in phase
equilibrium science,
thermodynamics ...

Inorganic Phase Equilibrium
Data | NIST

Phase Diagrams As previously
stated, the phase diagram is
simply a map showing the
structure of phases present
as the temperature and
overall composition of the
alloy are varied. It is a
very useful tool for

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Understanding and
controlling the structures
of polyphase materials.

Property Modification -
Alloying - Phase Diagrams
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5000-5590) Roth, Robert S.,
Taki Negas, and Lawrence P.
Cook (compiled by Geraldine
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