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utilized in the fabrication of whiskers and ceramic-matrix whisker-reinforced ceramics. Phase relations and sintering information is reviewed for transparent polycrystalline oxides.

### Phase Diagrams in Advanced Ceramics - 1st Edition

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PHASE DIAGRAMS FOR CERAMISTS: SUPPLEMENT NO.

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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 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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Published from 1964 to 1992 as the reference-series Phase Diagrams for Ceramists ("Blue Books"), SRD 31 is the result of a long-standing collaboration between NIST and The American Ceramic Society to develop and maintain a state-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

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is a very useful tool for understanding and controlling the structures of polyphase materials.

Property Modification - Alloying - Phase Diagrams  
Phase Diagrams for Ceramists Volume IV (Figures 5000-5590) Roth, Robert S., Taki Negas, and Lawrence P. Cook (compiled by Geraldine Smith) Published by American Ceramic Society, (1981)

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