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Proceedings

Spring 5-14-2012

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Recommended Citation

Greg Harrington, Greg Hilmas, and William Fahrenholtz, "Effects of Carbon on the Processing and Thermal Properties of Hot Pressed ZrB₂" in "Ultra-High Temperature Ceramics: Materials For Extreme Environmental Applications II", W. Fahrenholtz, Missouri Univ. of Science & Technology; W. Lee, Imperial College London; E.J. Wuchina, Naval Service Warfare Center; Y. Zhou, Aerospace Research Institute Eds, ECI Symposium Series, (2013). <http://dc.engconfintl.org/uhtc/27>

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Effects of Carbon on the Processing and Thermal Properties of Hot Pressed ZrB_2

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Research supported by the National Science Foundation grant #DMR-0906584

Goals of the Current Work

- Investigate the inherent properties of high-purity ZrB_2 ceramics
- Isolate the impact of carbon on hot pressed ZrB_2
 - Densification
 - Microstructure
 - Thermal properties
- Study the solubility of carbon in ZrB_2 and its effect on the densification, microstructure, and thermal properties

Carbon Content Measurement

