

Development Of Short Fiber, SiC -Based Composites, T. M. Besmann, John J. Henry, Jr., R. A. Lowden Oak Ridge National Laboratory, Oak Ridge, TN 37830-6063, (423) 574-6852

The use of high modulus SiC fibers for increased strength and environmental tolerance has been problematic due to the difficulty in producing appropriate preforms. An approach to fabrication of these materials is to use short fibers that are slurry molded or otherwise formed into random networks. These can be vapor infiltrated with matrix to form high density composites.

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