

## **FTIR Studies of Sintered SiC Derived From SHS Powders**

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Self-propagating high-temperature synthesis produced sintered SiC powders containing boron as a sintering activator. The content of boron in the powders manufactured by this method varied from 0.5 to 30 wt%. Densification of SHS prepared powders was accomplished by pressureless sintering. The relationship between the FTIR absorption spectra and structure of the powders and sintered SiC was explained.