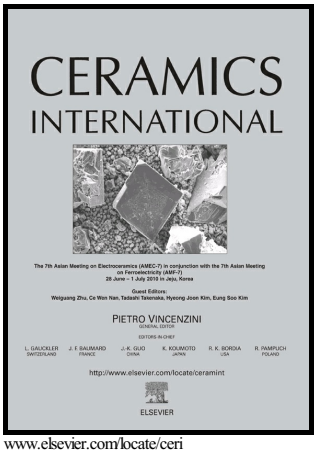
Mechanical properties of Si_3N_4 ceramics from an in-situ synthesized a-Si_3N_4/β-Si_3N_4 composite powder

Hongyu Xing, Bingqiang Liu, Jing Sun, Bin Zou



www.elsevier.com/locate/ceri

PII: S0272-8842(16)31989-7
DOI: http://dx.doi.org/10.1016/j.ceramint.2016.10.196
Reference: CERI14075

To appear in: *Ceramics International*

Received date: 24 September 2016
Revised date: 25 October 2016
Accepted date: 30 October 2016

Cite this article as: Hongyu Xing, Bingqiang Liu, Jing Sun and Bin Zou Mechanical properties of Si_3N_4 ceramics from an in-situ synthesized a-Si_3N_4/β Si_3N_4 composite powder, *Ceramics Internationa* http://dx.doi.org/10.1016/j.ceramint.2016.10.196

Mechanical properties of Si_3N_4 ceramics from an in-situ synthesized α-Si_3N_4/β-Si_3N_4 composite powder

Hongyu Xing[1,4], Bingqiang Liu[2*], Jing Sun[3*], Bin Zou[1,4*]

[1]College of Mechanical, Shandong University, Jinan, China, 250061

[1]Centre for Advanced Jet Engineering Technologies (CaJET), School of Mechanical Engineering, Shandong University, Jinan 250061, PR China

[2]School of Mechanical-electronic and Vehicle Engineering, Weifang University, Weifang, China, 261061

[3]College of Mechanical and Electronic Engineering, Shandong University of Science and Technology, Qingdao, China, 266590

[4]Key Laboratory of High Efficiency and Clean Mechanical Manufacture, Shandong University, Ministry of Education, PR China

sdwfliubq@163.com.

sj_sdust@126.com.

zb78@sdu.edu.cn

[*]Corresponding author: Bingqiang Liu, Weifang University, Weifang 261061, P.R. China. Tel.: +86 536 8785527.

[*]Corresponding author: Jing Sun, Shandong University of Science and Technology, Qingdao 266590, P.R. China. Tel.: +86 532 86057975.

[*]Corresponding author: Bin Zou, Shandong University, 17923 Jing Shi Road, Jinan 250061, P.R. China. Tel.: +86 531 88396913; Fax: +86 53188396912.