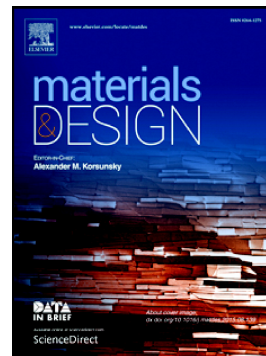


Accepted Manuscript

A phenomenological study of a Sn–Ag–Al composite solder reinforced with Mg–MWCNT: Improved electrical conductivity and thermo-physical performance

Sang Hoon Kim, Joon-Phil Choi, Yeong-seong Eom, Younggyun Nam, Seonghyeon Baek, Clodualdo Aranas



PII: S0264-1275(17)31104-8
DOI: doi:[10.1016/j.matdes.2017.11.073](https://doi.org/10.1016/j.matdes.2017.11.073)
Reference: JMADE 3550
To appear in: *Materials & Design*
Received date: 2 September 2017
Revised date: 30 November 2017
Accepted date: 30 November 2017

Please cite this article as: Sang Hoon Kim, Joon-Phil Choi, Yeong-seong Eom, Younggyun Nam, Seonghyeon Baek, Clodualdo Aranas , A phenomenological study of a Sn–Ag–Al composite solder reinforced with Mg–MWCNT: Improved electrical conductivity and thermo-physical performance. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Jmade(2017), doi:[10.1016/j.matdes.2017.11.073](https://doi.org/10.1016/j.matdes.2017.11.073)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

A phenomenological study of a Sn–Ag–Al composite solder reinforced with Mg–MWCNT: Improved electrical conductivity and thermo-physical performance

Sang Hoon Kim ^{1,a,b,*}, Joon-Phil Choi ^{1,c}, Yeong-seong Eom ^d, Younggyun Nam ^a, Seonghyeon Baek ^a, and Clodualdo Aranas Jr. ^e

^a Powder Technology Department, Korea Institute of Materials Science, Changwon 51508, Republic of Korea

^b School of Materials Science and Engineering, Pusan National University, Busan 46241, Republic of Korea

^c Department of Mining and Materials Engineering, McGill University, 3610 University Street, Montreal, QC, H3A 0C5, Canada

^d Department of Metallurgical Engineering, Kyungpook National University, Daegu 41566, Republic of Korea

^e CanmetMATERIALS, Natural Resources Canada, 183 Longwood Road South, Hamilton, Ontario L8P 0A5, Canada

¹ Two authors contributed equally and should be considered co-first authors.

* Corresponding author: sanghooni791@naver.com (Sang Hoon Kim)

Download English Version:

<https://daneshyari.com/en/article/7217476>

Download Persian Version:

<https://daneshyari.com/article/7217476>

[Daneshyari.com](https://daneshyari.com)