**한국분말재료학회지 논문 제목**

홍길동1, 김분말 2, 박재료 3,\*

1길동대학교 재료공학과,

2분말대학교 신소재공학과,

3분말기업 소속부서

**Manuscript Title**

.

First Name(s) Surname1,\*, First Name(s) Surname1, First Name(s) Surname2, First Name(s) Surname3,\*

1Department, Institute/University, City, Zip code, Country

2Department, Institute/University, City, Zip code, Country

3Department, Institute/University, City, Zip code, Country

Running title: Less than 50 characters including spaces

(영문 필수 작성 / 공백포함 50자 이내 작성)

**\*Corresponding author:** First Name(s) Surname

E-mail: \*\*\*\*@\*\*\*.\*\*\*

**Abstract**

(영문 필수 작성)

The abstract should be within 200 words. Use neither bibliographic references nor references to figures or tables in the Abstract

**Keywords:** Powder, Material, Metallurgy

(영문 필수 작성)

A list of keywords (up to 5 words) should be provided below the abstract. Each key word should start with a capitalized letter, and be separated by comma.

**ORCID (선택사항)**

홍길동: <https://orcid.org/0000-0000-0000-000>

김분말: [https://orcid.org/0000-0000-0000-](http://orcid.org/0000-0003-0735-5499)000

박재료: [https://orcid.org/0000-0000-0000-](http://orcid.org/0000-0003-0735-5499)000

**1. Introduction**

Provide a brief background, referencing the most relevant papers to inform readers. Describe pertinent findings of others and include the specific questions addressed by your investigation. The introduction should not contain either results or conclusions.

References must be numbered consecutively in square brackets in the order in which they are first mentioned in the text.1 Kim et al. [1, 2] insisted…; however, Park et al. [4-6] showed opposing research results.

**2. Experimental Section**

**2.1 사용 재료**

Provide sufficient detail while citing both the original methodology and any relevant published modifications. Extensive procedural details should only be included if they represent significant modifications to established methods. When multiple methodologies are commonly used, briefly describe the specific method applied and cite the appropriate reference. For newly developed methods, a comprehensive description is essential.

**3. Results and Discussion**

Ensure the significance of the results is clearly explained, but avoid redundant repetition of information already covered earlier in the text.

**3.1 소제목**

**3.2 소제목**

**4. Conclusion**

Summarize the key findings and main conclusions of the study concisely.

**Funding**

연구비 지원기관에서 제시하는 내용에 따라 영문으로 기재한다. 없으면 None으로 기술한다.

예) 본 연구는 한국연구재단 한국분말재료학회지의 학술연구용역의 지원사업 (과제번호 or Code no.: oooooo)으로 수행되었습니다.

**Conflict of Interest**

이해관계를 영문으로 작성한다.

예1) 저자들은 이해상충관련 해당사항 없음을 선언합니다.

예 2) 교신저자는 현재 JPM편집이사로 봉사 중이지만, 논문 출판과정의 어떤 과정에서도 관여하지 않았습니다. 이 사항을 제외하면 저자들은 잠재적인 이해상충에 관련된 해당사항이 없음을 선언합니다.

**Data Availability Statement**

연구에 사용한 자료의 공유에 관해 기술한다

예) The dataset files are available from Harvard Dataverse at https://doi.org/10.7910/DVN/7WYAFA.

**Author Information and Contribution**

※ 저자 기여는 CRediT (https://credit.niso.org/) 에 따라 작성

​각 저자의 기여에 대해 영문으로 작성한다.

홍길동: 석사과정 학생; conceptualization, writing–original draft

김분말: 박사과정 학생; supervision, writing–review & editing

박재료: 교수; writing–original draft, funding acquisition, supervision

**Acknowledgments**

연구에 유의미한 기여를 한 사람/기관에 대한 내용을 영문으로 작성한다. 없으면 None으로 기술한다

**References**

(영문 필수 작성)

[1] J. Choe, J. Yun, D.-Y. Yang, S. Yang, J.-H. Yu, C.-W. Lee and Y.-J. Kim: J. Powder Meter., **24** (2017) 187.

[2] J. M. Park: J. Powder Meter., **29** (2022) 132.

[3] H. E. Exner and G. Petzow: Sintering and Catalysis, G. C. Kuczynski (Ed.), Plenum Press, New York (1976) 279.

[4] D. R. Dank and D. A. Koss: High Temperature Ordered Intermetallic Alloys, C. T. Liu (Ed.), MRS Symp. Proc. Vol. 133, Pittsburg, PA (1989) 561.

[5] Daido Steel: USA, US 5,193,607 (1993).

[6] M.G. Kim and J.H. Kim: Korea, KR 0041070 (2010).

[7] Germany: DIN EN ISO 11876N, Hardmetals.

[8] ASTM B213:03, Standard Test Method for Flow Rate of Metal Powders.

[9] J. C. Kim: M.S. Thesis, Title of Dissertation, Daehan University, Seoul (2011) **123**.

[10] J. C. Kim: Ph. D. Dissertation, Title of Dissertation, Hankook University, Seoul (2011) **123**.

Table 1. A brief, specific, descriptive title (영문 필수 작성)

|  |  |  |
| --- | --- | --- |
| Stub heading | Column spanner | Column heading |
| Column heading | Column heading |
| Row heading |  |  |  |
| Row heading |  |  |  |
| Row heading |  |  |  |
| Row heading |  |  |  |
| Row heading |  |  |  |
| Row heading |  |  |  |

Table notes

aFootnotes

Abbreviations.

Please submit illustrations at their actual publication size with a resolution of 300 dpi. Line drawings and photographs should be original, high-quality images with slightly more contrast than needed for the printed version to ensure clarity.

**Fig. 1.** A brief, specific, descriptive title (영문 필수 작성)