



NSAI
Standards

Irish Standard
I.S. EN ISO 3252:2019&LC:2019

Powder metallurgy - Vocabulary (ISO 3252:2019)

I.S. EN ISO 3252:2019&LC:2019

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN ISO 3252:2019&LC:2019 is the adopted Irish version of the European Document EN ISO 3252:2019, Powder metallurgy - Vocabulary (ISO 3252:2019)

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Correction Notice

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Brussels, 2019-10-23

Please include the following minor editorial correction(s) in the document related to:

the following language version(s) :

- English
- French
- German

for the following procedure :

- PQ/UQ
- Enquiry
- 2nd Enquiry
- Parallel Enquiry
- 2nd Parallel Enquiry
- Formal Vote
- 2nd Formal Vote
- Parallel Formal Vote
- 2nd Parallel Formal Vote
- UAP
- TC Approval
- 2nd TC Approval
- Publication
- Parallel Publication

It has been brought to our attention that this document, issued on 2019-09-25, requires modification.

Insertion of missing title pages

Please find enclosed the updated English, French version.

We apologise for any inconvenience this may cause.

EUROPEAN STANDARD

EN ISO 3252

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2019

ICS 01.040.77; 77.160

Supersedes EN ISO 3252:2000

English Version

Powder metallurgy - Vocabulary (ISO 3252:2019)

Métallurgie des poudres - Vocabulaire (ISO 3252:2019)

Pulvermetallurgie - Begriffe (ISO 3252:2019)

This European Standard was approved by CEN on 9 August 2019.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 23 October 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EN ISO 3252:2019 (E)

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European foreword

This document (EN ISO 3252:2019) has been prepared by Technical Committee ISO/TC 119 "Powder metallurgy" in collaboration with Technical Committee CEN/SS M11 "Powder metallurgy" the secretariat of which is held by CCMC.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 3252:2019 has been approved by CEN as EN ISO 3252:2019 without any modification.

INTERNATIONAL STANDARD

ISO 3252

Fifth edition
2019-08

Powder metallurgy — Vocabulary

Métallurgie des poudres — Vocabulaire



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ISO 3252:2019(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 119, *Powder metallurgy*.

This fifth edition cancels and replaces the fourth edition (ISO 3252:1999), which has been technically revised.

The main changes compared to the previous edition are as follows:

- addition of the mandatory [Clause 2](#) (Normative references);
- addition of terms in current use.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The terms are classified alphabetically under the following main headings:

- powders;
- forming;
- sintering and characteristics of sintered materials;
- post-sintering treatments;
- powder metallurgy materials.

NOTE Additional information on certain terms defined can be found in the standards given in Notes to entry. These are listed in the Bibliography.

Powder metallurgy — Vocabulary

1 Scope

This document defines terms relating to powder metallurgy. Powder metallurgy is the branch of metallurgy which relates to the manufacture of metallic powders, or of articles made from such powders with or without the addition of non-metallic powders, by the application of forming and sintering processes.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1 Terms relating to powders

3.1.1

acicular

needle-shaped

Note 1 to entry: See [Figure 1](#).

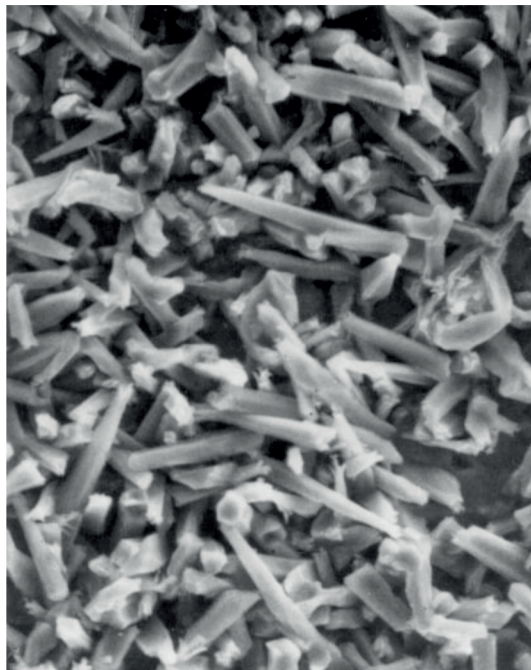


Figure 1 — Acicular

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