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Normklasse: P 51

Poeders voor gebruik in poedermetallurgie - Monsterneming (ISO 3954:2007)

Poudres pour emploi en métallurgie des poudres - Echantillonnage (ISO 3954:2007)

Powders for powder metallurgical purposes - Sampling (ISO 3954:2007)

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Deze Europese norm EN ISO 3954:2008 heeft de status van een Belgische norm.

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Indice de classement: P 51

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La présente norme européenne EN ISO 3954:2008 a le statut d'une norme belge.

La présente norme européenne existe en trois versions officielles (allemand, anglais, français).

English Version

Powders for powder metallurgical purposes - Sampling (ISO 3954:2007)

Poudres pour emploi en métallurgie des poudres -
Échantillonnage (ISO 3954:2007)

Pulver für die Pulvermetallurgie - Probenahme (ISO
3954:2007)

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Foreword

This document (EN ISO 3954:2007) 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 CMC.

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of an identical text or by endorsement, at the latest by March 2008, and conflicting national standards shall be withdrawn at the latest by March 2008.

This document supersedes EN 23954:1993.

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Endorsement notice

The text of ISO 3954:2007 has been approved by CEN as a EN ISO 3954:2007 without any modification.

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**INTERNATIONAL
STANDARD**

**ISO
3954**

Second edition
2007-09-01

**Powders for powder metallurgical
purposes — Sampling**

Poudres pour emploi en métallurgie des poudres — Échantillonnage



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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 3954 was prepared by Technical Committee ISO/TC 119, *Power metallurgy*, Subcommittee SC 2, *Sampling and testing methods for powders (including powders for hardmetals)*.

This second edition cancels and replaces the first edition (ISO 3954:1977), which has been technically revised.

Powders for powder metallurgical purposes — Sampling

1 Scope

This International Standard specifies procedures for the sampling of powders for powder metallurgical purposes.

It also covers the splitting of the sample into the quantity required for testing.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply (see also Figure 1).

2.1

lot

quantity of powder processed or produced under conditions that are presumed uniform

2.2

increment

quantity of powder obtained by a sampling device at one time from a single lot

2.3

gross sample

quantity of powder, adequate for the tests to be performed, consisting of all the increments taken from a single lot

2.4

composite sample

blended entire gross sample or part thereof

NOTE 1 Alternatively, it may be obtained by splitting the lot.

NOTE 2 However it is obtained, it is essential that it be thoroughly blended.

2.5

test sample

quantity of powder taken from the composite sample for determining a single property or for preparing test pieces

NOTE It is normally taken by splitting the composite sample.

2.5.1

test portion

definite quantity of powder drawn from the test sample (or, if both are the same, from the composite sample) and on which the test is carried out

2.5.2

test piece

test specimen

object of specified form prepared from a test sample