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Powders for powder metallurgical purposes—Sampling

ICS 77.160

Descriptors : metals, sampling methods, powder metallurgy, particulate, materials

Reference number : JIS Z 2503 : 2000 (E)

Z 2503 : 2000 (ISO 3954 : 1977)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS Z 2503 : 1960** is replaced with **JIS Z 2503 : 2000**.

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In the event of any doubts arising as to the contents,
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Powders for powder metallurgical purposes—Sampling

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **ISO 3954** *Powders for powder metallurgical purposes—Sampling*, published in 1977 without changing the technical contents.

“Informative reference” underlined with dots in this Standard is the matter not stated in the original International Standard.

1 Scope This 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 Normative reference This Standard does not specify normative reference.

Informative reference : ISO 3954 references ISO 78 *Guide on the form for standards for chemical products and for methods chemical analysis* and ISO 3081 *Iron ores—Increment sampling—Manual method*, but this Standard does not quote them directly.

3 Definitions The following definitions shall apply.

3.1 lot A quantity of powder processed or produced under conditions which are presumed uniform.

3.2 increment A quantity of powder obtained by a sampling device at one time from a single lot.

3.3 gross sample The quantity of powder consisting of all the increments taken from a single lot.

3.4 composite sample The blended entire gross sample or a representative part thereof. Alternatively it may be obtained by splitting the lot. However it is obtained, it should be thoroughly blended.

3.5 test sample A quantity of powder taken from the composite sample for determining a single property or for preparing the test pieces. It should normally be taken by splitting the composite sample.

3.5.1 test portion A 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.

3.5.2 test piece An object of specified form prepared from a test sample.