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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 29655-2025

Replacing GB/T 29655-2013

Strip-casting neodymium iron boron alloy flakes

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 29655-2013 "NdFeB Rapid Solidification Thin Sheet Alloy". Compared with GB/T 29655-2013, except for the structural adjustment Besides the editorial changes, the main technical changes are as follows.

- a) The terms and definitions have been changed (see Chapter 3, Chapter 3 of the 2013 edition);
- b) Product classification has been deleted (see 4.1 of the 2013 edition);
- c) Changed the requirements for main components from "main chemical composition control accuracy" to "main component tolerance" (see 4.1, 2013 4.3 of the 2012 edition);
- d) The requirements for impurity content have been changed (see 4.2, 4.4 of the 2013 edition);
- e) The thickness requirements have been changed (see 4.3, 4.5 of the 2013 edition);
- f) The requirements for microstructure have been changed (see 4.4, 4.6 of the 2013 edition);
- g) The content of "Packaging, Marking, Transport, Storage and Accompanying Documents" has been changed (see Chapter 7, Chapter 7 of the 2013 edition);
- h) The microstructure examination method has been changed (see Appendix B, 5.3.4 of the 2013 edition).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed and coordinated by the National Rare Earth Standardization Technical Committee (SAC/TC229).

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This document was first published in 2013 and this is the first revision.

1 Scope

This document specifies the technical requirements, test methods, inspection rules, packaging, marking, transportation, storage and accompanying materials of rapid solidification NdFeB alloy sheets. document.

This document applies to the inspection and production of rapidly solidified NdFeB alloy sheets for sintered NdFeB permanent magnet materials.

2 Normative references

GB/T 8170

GB/T 15676

GB 39176

3 Terms and Definitions

The terms and definitions defined in GB/T 15676 and the following apply to this document.

3.1

The molten NdFeB alloy is poured onto a rotating metal cooling roller to rapidly solidify the melt into a thin sheet product.

3.2

The surface of the rapidly solidified NdFeB alloy sheet that contacts the surface of the metal cooling roller during the preparation process.

3.3

During the preparation process of the rapidly solidified NdFeB alloy sheet, the surface is opposite to the roller surface and in contact with the ambient atmosphere.

3.4

In a certain thickness measurement sample, the ratio of the number of samples within a certain thickness range to the total number of samples measured is specified.