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CCS H62



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

GB/T 26301-2021

Replacing GB/T 26301-2010

Copper-nickel-zinc alloy strips and foils for shield

屏蔽用锌白铜带箔材

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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 of Standardization Documents" drafted: This document replaces GB/T 26301-2010 "Zinc and white copper tape for shielding": Compared with GB/T 26301-2010, except for structural adjustment and editing In addition to the editorial changes, the main technical changes are as follows:

- a) Changed the alloy state representation (see 4:1, 3:1:1 of the:2010 edition);
- b) Added the alloy code representation (see 4:1);
- c) Added BZn18-17, BZn12-24 and BZn12-29 grades and related regulations (see 4:1);
- d) Changed the thickness and width range of the strip foil, the thickness range was changed from "0:10mm~0:80mm" to "0:08mm~ 0:80mm", the width range is changed from "9mm~400mm" to "9mm~600mm" (see 4:1,:2010 edition of 3:1:1);
- e) Deleted Table 2 in GB/T 26301-2010: The chemical composition of BZn18-10 in the table is as specified in GB/T 5231 (see 5:1, 3:2 of the:2010 edition);
- f) Changed the regulations on the side curvature of the foil, when the thickness is greater than 0:50mm, the requirements are changed from "<=6mm, <=5mm, <=4mm, <=3mm" is changed to "<=5mm, <=4mm, <=3mm, <=2mm" (see 5:2:3, 3:3:3 of the:2010 edition);
- g) Add the provisions of the technical requirements for solderability, test methods and inspection rules (see 5:6, 6:6, 7:4);
- h) Added the stipulation that the chemical composition analysis method of the tape foil is carried out according to the provisions of YS/T 482 or YS/T 483 (see 6:1);
- i) The tensile test method has been changed from "GB/T 228" to "GB/T 34505-2017", and the tensile test specimen number is Changes to the provisions of GB/T 34505-2017 (see 6:3, 4:3:1 of the:2010 edition);
- j) Added "Sampling method according to the provisions of YS/T 668" (see 7:4);

k) Added the stipulation of "Preparation of specimens for bending performance according to the provisions of YS/T 815" (see 7:4);

l) Added "The value of the inspection result shall be rounded up according to the provisions of GB/T 8170, and shall be determined by the rounding value comparison method" (see 7:5:1): Please note that some content of this document may be patented: The issuing agency of this document assumes no responsibility for identifying patents: This document is proposed by China Nonferrous Metals Industry Association: This document is under the jurisdiction of the National Nonferrous Metals Standardization Technical Committee (SAC/TC243): This document is drafted by: Anhui Xinke Copper Co., Ltd., Ningbo Xingye Shengtai Group Co., Ltd., Ningbo Jintian Copper (Group) Co., Ltd.: Co., Ltd., Guangxi Xinke Copper Industry Co., Ltd., Youyan Engineering Technology Research Institute Co., Ltd: The main drafters of this document: Yang Chuntai, Mao Yaodong, Li Jundong, Xuan Xiwen, Niu Song, Liu Feng, Chao Guohui, Yuan Hefeng, Feng Liting, Chen Jun, He Keke, Yuan Kun, Li Weiqiang, Peng Lijun, Huang Guojie: The previous versions of this document and its superseded documents are as follows:

---2010 was first released as GB/T 26301-2010;

1 Scope

GB/T 26301-2021 is the Chinese national standard on copper-nickel-zinc alloy strips and foils for shield, in the field of metallurgy. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 December 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2022.

Classification: ICS 77.150.30, CCS H62. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

3 Copper and Copper Alloy Processed Materials External Dimensions Test Method Part 3: Sheets and Strips

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document:

GB/T 232 Bending test method for metallic materials GB/T 2423:

32 Environmental testing of electrical and electronic products - Part 2: Test method Test Ta:

Wetting weighing method Solderability GB/T 4340:

GB/T 5121 (all parts) Methods for chemical analysis of copper and copper alloys

GB/T 5231 Processed copper and copper alloy grades and chemical composition

GB/T 8170 Numerical Rounding Rules and Representation and Judgment of Limit Values

GB/T 8888 Packaging, marking, transportation, storage and quality certificate of heavy non-ferrous metal processing products GB/T 26303:

GB/T 34505-2017 Room temperature tensile test method for copper and copper alloy materials YS/T 482 Analysis method of copper and copper alloy Photoemission spectrometry YS/T 483 Analysis method of copper and copper alloy X-ray fluorescence spectrometry (wavelength dispersion type) YS/T 668 Sampling method for physical and chemical testing of copper and copper alloys Preparation method of YS/T 815 copper and copper alloy mechanical properties and process performance samples

3 Terms and Definitions

There are no terms and definitions that need to be defined in this document:

4 Classification and marking

1 Product Classification The grade, code, state and specification of the foil material shall comply with the provisions in Table 1: