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ICS 77.040.10
CCS H23

YB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YB/T 4731-2019

Reverse bend test method for electrical steel strip and sheet

电工钢带（片）反复弯曲试验方法

(English Translation)

Implemented on: November 1, 2019

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YB/T 4731-2019 was issued by Ministry of Industry and Information Technology on 2 May 2019 and has been in force since 1 November 2019.

The YB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 8 pages in English translation.

2 Scope Preview

This standard specifies the principles, terms and definitions, symbols and descriptions, principles, test devices, samples, test procedures, test results and test reports of the repeated bending test method for electrical steel strips (sheets). This standard applies to the evaluation of the ductility of oriented and non-oriented electrical steel strips (sheets) by the repeated bending test method using Epstein specimens, and the specimens are in the unannealed state.

YB/T 4731-2019 falls under ICS 77.040.10, in the field of metallurgy.

This catalogue holds 971 other YB/T standards in that field.

In this catalogue, YB/T standards carry edition years from 1980 to 2026.

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3 About this standard

Sector: Ferrous Metallurgy Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 8 pages (approximate)

Chinese original: about 11,111 characters

4 Related standards

Standards on related subjects:

GB/T 5028-2025 - Metallic materials - Sheet and strip - Determination of tensile strain hardening exponent (n)

GB/T 5027-2025 - Metallic materials - Sheet and strip - Determination of plastic strain ratio (r)

GB/T 4156-2020 - Metallic materials - Sheet and strip - Erichsen cupping test

YB/T 5293-2022 - Metallic materials - Test method for upsetting

YB/T 4732-2019 - Electrical steel with self-adhesive coating -- Peel test method

5 Classification and status

International classification (ICS): 77.040.10

Chinese Standard Classification (CCS): H 23

Prefix YB/T: recommended standard.

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