SLOVENSKI STANDARD
oSIST prEN 10106:2026

01-september-2026

Magnetni materiali - Hladno valjana neorientirana elektropločevina in trakovi, dobavljeni v končnem stanju

Magnetics materials - Cold rolled non-oriented electrical steel strip and sheet delivered in the fully processed state

Magnetische Werkstoffe - Kaltgewalztes nicht kornorientiertes Elektroband und -blech im schlussgeglühten Zustand

Matériaux magnétiques - Bandes et tôles magnétiques en acier à grains non orientés laminées à froid et livrées à l'état fini

Ta slovenski standard je istoveten z: **prEN 10106**

ICS:

77.140.50	Ploščati jekleni izdelki in polizdelki	Flat steel products and semi-products

oSIST prEN 10106:2026 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 10106

June 2026

ICS 77.140.50

Will supersede EN 10106:2015

English Version

Magnetics materials - Cold rolled non-oriented electrical steel strip and sheet delivered in the fully processed state

Matériaux magnétiques - Bandes et tôles magnétiques en acier à grains non orientés laminées à froid et livrées à l'état fini

Magnetische Werkstoffe - Kaltgewalztes nicht kornorientiertes Elektroband und -blech im schlussgeglühten Zustand

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 459/SC 8.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (prEN 10106:2026) has been prepared by Technical Committee CEN/TC 459/SC 8 “Steel sheet and strip for electrical applications”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 10106:2015.

prEN 10106:2026 includes the following significant technical changes with respect to EN 10106:2015:

— the normative references and the definitions have been updated;

— the list of options is more detailed (see 5.2);

— “defects” has been replaced by “imperfections”;

— technical requirements have been updated (see Clause 7);

— throughout the document, editorial changes have been made to improve the quality of the text.

1 Scope

This document specifies cold-rolled non-oriented electrical steel strip and sheet in nominal thicknesses of 0,35 mm, 0,50 mm, 0,65 mm and 1,00 mm. In particular, it specifies general requirements, the magnetic properties, geometric characteristics and tolerances, technological characteristics as well as the inspection procedure.

This document applies to materials supplied in the fully annealed condition intended for the construction of magnetic circuits. It does not apply to semi-processed material.

These magnetic materials correspond to EN 60404-1:2017, Class C.21.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 10021, *General technical delivery conditions for steel products*

EN 10027-1, *Designation systems for steels — Part 1: Steel names*

EN 10027-2, *Designation systems for steels — Part 2: Numerical system*

EN 10204, *Metallic products — Types of inspection documents*

EN 10251:2024, *Magnetic materials — Methods of determination of the geometrical characteristics of electrical steel sheet and strip*

EN 10342, *Magnetic materials — Classification of surface insulations of electrical steel sheet, strip and laminations*

EN 60404-2, *Magnetic materials — Part 2: Methods of measurement of the magnetic properties of electrical steel strip and sheet by means of an Epstein frame (IEC 60404-2)*

EN IEC 60404-11, *Magnetic materials — Part 11: Methods of measurement of the surface insulation resistance of electrical steel strip and sheet (IEC 60404-11)*

EN IEC 60404-12, *Magnetic materials — Part 12: Methods of test for the assessment of the thermal endurance of surface insulation coatings on electrical steel strip and sheet (IEC 60404-12)*

EN IEC 60404-13, *Magnetic materials — Part 13: Methods of measurement of resistivity, density and stacking factor of electrical steel strip and sheet (IEC 60404-13)*

EN ISO 7799, *Metallic materials — Sheet and strip 3 mm thick or less — Reverse bend test (ISO 7799)*

IEC 60050-121, *International Electrotechnical Vocabulary — Chapter 121: Electromagnetism*

IEC 60050-221, *International Electrotechnical Vocabulary — Chapter 221: Magnetic materials and components*