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COPPER AND COPPER ALLOYS - SCRAP

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12861

July 1999

ICS 77.150.30

English version

Copper and copper alloys - Scrap

Cuivre et alliages de cuivre - Scrappes

Kupfer und Kupferlegierungen - Schrotte

This European Standard was approved by CEN on 1 July 1999.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 133 "Copper and copper alloys", the secretariat of which is held by DIN.

Within its programme of work, Technical Committee CEN/TC 133 requested CEN/TC 133/WG 11 "Scrap" to prepare the following standard:

EN 12861

Copper and copper alloys – Scrap

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2000, and conflicting national standards shall be withdrawn at the latest by January 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies the requirements for characteristics, condition, moisture, composition, metal content, metal yield and test procedures of secondary raw materials for direct melting (melting grades) in the form of copper and copper alloy scrap.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1652

Copper and copper alloys – Plate, sheet, strip and circles for general purposes

EN 1654

Copper and copper alloys – Strip for springs and connectors

EN 12167

Copper and copper alloys – Profiles and rectangular bar for general purposes

EN 12449

Copper and copper alloys – Seamless, round tubes for general purposes

EN 12451

Copper and copper alloys – Seamless, round tubes for heat exchangers

NOTE: Informative references to documents used in the preparation of this standard, and cited at the appropriate places in the text, are listed in a bibliography, see annex A.

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1 scrap for direct melting

Metallic product with levels of impurity elements which would not prohibit its use for direct melting, with or without preliminary mechanical treatment (e.g. baling, fragmenting, crushing).

3.1.1 production scrap

Clean metallic product arising from production processes (e.g. offcuts from casting, rolling, extrusion, forging) or from further processing (e.g. stamping grids).

3.1.2 old scrap

Metallic product other than material specified as "production scrap" (see 3.1.1).

3.2 free from (substance)

Maximum quantity of substances adhering to the scrap:

- 0,005 % (m/m) for metallic impurities;
- 0,2 % (m/m) for moisture;

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