

## Lead and lead alloys - Lead

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12659:2000 sisaldab Euroopa standardi EN 12659:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.02.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12659:2000 consists of the English text of the European standard EN 12659:1999.</p> <p>This document is endorsed on 18.02.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This European Standard specifies the designation, chemical composition, sampling and analysis and other requirements for lead.</p>	<p><b>Scope:</b> This European Standard specifies the designation, chemical composition, sampling and analysis and other requirements for lead.</p>
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ICS 77.120.60

Võtmesõnad:

ICS 77.120.60

**English version**

Lead and lead alloys

**Lead**

Plomb et alliages de plomb – Plomb      Blei und Bleilegierungen – Blei

This European Standard was approved by CEN on 1999-08-19.

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

**Central Secretariat: rue de Stassart 36, B-1050 Brussels**

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## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 306 "Lead and lead alloys", the secretariat of which is held by AFNOR.

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 March 2000, and conflicting national standards shall be withdrawn at the latest by March 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.

Within its programme of work, Technical Committee CEN/TC 306 requested CEN/TC 306/WG 1 "Lead" to prepare the following standard :

EN 12659, *Lead and lead alloys – Lead.*

## 1 Scope

This European Standard specifies the designation, chemical composition, sampling and analysis, marking and labelling and other requirements for lead.

## 2 Normative references

This European Standard incorporates, by dated or undated references, 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 12402, *Lead and lead alloys - Methods of sampling for analysis.*

ISO 11014-1, *Safety data sheet for chemical products - Part 1 : Content and order of sections.*

NOTE For the chemical analysis, prestandards in preparation by CEN/TC 306/WG 3, see bibliography.

## 3 Terms and definitions

For the purposes of this European Standard, the following definitions apply:

### 3.1

#### **cast**

product of one furnace or crucible melt

NOTE All the ingots from the single cast have the same identifying mark

### 3.2

#### **ingot**

cast product intended for remelting and/or processing

### 3.3

#### **jumbo**

very large ingot with a mass generally much more than 50 kg

### 3.4

#### **bundle**

collection of ingots taken from a single cast and secured if necessary, for the purposes of handling, shipment and storage.

## 4 Designation

### 4.1 Material number

The material is designated by number (see table 1). This material number designation is in accordance with the system given in annex A (normative).