

STN	Hliník a zliatiny hliníka. Plechy, pásy a hrubé plechy. Časť 2: Mechanické vlastnosti.	STN EN 485-2 42 7332
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Aluminium and aluminium alloys - Sheet, strip and plate - Part 2: Mechanical properties

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/17

Obsahuje: EN 485-2:2016

Oznámením tejto normy sa ruší
STN EN 485-2 (42 7332) z apríla 2014

124060

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2017
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

EN 485-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2016

ICS 77.150.10

Supersedes EN 485-2:2013

English Version

Aluminium and aluminium alloys - Sheet, strip and plate - Part 2: Mechanical properties

Aluminium et alliages d'aluminium - Tôles, bandes et tôles épaisses - Partie 2: Caractéristiques mécaniques

Aluminium und Aluminiumlegierungen - Bänder, Bleche und Platten - Teil 2: Mechanische Eigenschaften

This European Standard was approved by CEN on 12 June 2016.

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

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European foreword

This document (EN 485-2:2016) has been prepared by Technical Committee CEN/TC 132 “Aluminium and aluminium 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of an identical text or by endorsement, at the latest by January 2017, and conflicting national standards shall be withdrawn at the latest by January 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 485-2:2013.

CEN/TC 132 affirms it is policy that in the case when a patentee refuses to grant licences on standardized standard products under reasonable and not discriminatory condition, then this product should be removed from the corresponding document.

Details of any patents rights identified during the development of this document will be in the CEN list of patent declaration received (see <http://www.cencenelec.eu/ipr/Patents/PatentDeclaration/Pages/default.aspx>).

CEN/TC 132 decided to revise EN 485-2:2013 as follows:

- Addition of Alloy EN AW-5042 [AlMg 3,5 Mn] in Table 24;
- Correction of Alloy EN AW-5059 [Al Mg5,5MnZnZr] in Table 28;
- Correction of Alloy EN AW-5083 [Al Mg4,5Mn0,7] in Table 30;
- Correction of Alloy EN AW-5086 [Al Mg4] in Table 31;
- Correction of Alloy EN AW-5088 [AlMg5Mn0,4] in Table 32;
- Correction of Alloy EN AW-5383 [Al Mg4,5Mn0,9] in Table 36;
- Correction of Alloy EN AW-5456 [Al Mg5Mn1] in Table 40;
- Addition of alloy EN AW-5657 [Al 99,85Mg1] in a new Table 41;
- Addition of alloy EN AW-6056 [Al Si1MgCuMn] in a new Table 45;
- Addition of alloy EN AW-7019 [Al Zn4Mg2] in a new Table 49;
- Correction of the headers in the last column “hardness” in all tables (index a).

EN 485 comprises the following parts under the general title, “*Aluminium and aluminium alloys — Sheet, strip and plate*”:

- *Part 1: Technical conditions for inspection and delivery*
- *Part 2: Mechanical properties*

- *Part 3: Tolerances on dimensions and form for hot-rolled products*
- *Part 4: Tolerances on shape and dimensions for cold-rolled products*

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies the mechanical properties of wrought aluminium and wrought aluminium alloy sheet, strip and plate for general engineering applications.

It does not apply to semi-finished rolled products in coiled form to be subjected to further rolling (reroll stock) or to special products such as corrugated, embossed, painted, sheets and strips or to special applications such as aerospace, can stock, finstock, for which mechanical properties are specified in separate European Standards.

The chemical composition limits of the alloys are specified in EN 573-3. Temper designations are defined in EN 515.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13195, *Aluminium and aluminium alloys - Specifications for wrought and cast products for marine applications (shipbuilding, marine and offshore)*

ASTM G66, *Standard Test Method for Visual Assessment of Exfoliation Corrosion Susceptibility of 5xxx Series Aluminium Alloys (ASSET Test)*

ASTM G67, *Standard Test Method for Determining the Susceptibility to Intergranular Corrosion of 5xxx Series Aluminium Alloys by Mass Loss After Exposure to Nitric Acid (NAMLT Test)*

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