BS ISO 26202:2019

BSI Standards Publication

Magnesium and magnesium alloys — Magnesium alloys for cast anodes

Documents
Document Sharing Hub

Full document details: BS ISO 26202:2019

National foreword

This British Standard is the UK implementation of ISO 26202:2019.

The UK participation in its preparation was entrusted to Technical Committee NFE/35, Light metals and their alloys.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2019
Published by BSI Standards Limited 2019

ISBN 978 0 580 98805 9

ICS 77.120.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 November 2019.

Amendments/corrigenda issued since publication

Date	Text affected

Documents
Document Sharing Hub

Full document details: BS ISO 26202:2019

INTERNATIONAL STANDARD

ISO 26202

Second edition
2019-10

Magnesium and magnesium alloys — Magnesium alloys for cast anodes

Magnésium et alliages de magnésium — Alliages de magnésium pour anodes coulées

Reference number
ISO 26202:2019(E)

Documents
Document Sharing Hub

© ISO 2019

Full document details: BS ISO 26202:2019

COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

© ISO 2019 – All rights reserved

Documents
Document Sharing Hub

Full document details: BS ISO 26202:2019

Contents

Page

Foreword ..... **iv**

Introduction ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Designations **1**
4.1 Material 1
4.2 Casting process 1

5 Requirements **2**
5.1 General 2
5.2 Chemical composition 2

6 Testing **5**
6.1 Sampling 5
6.2 Determination of the chemical composition 5
6.3 Electrochemical testing 5

7 Rounding of numbers **5**

8 Packaging and surface protection **5**

Annex A (normative) **Test method for the determination of the electrode potential of galvanic anodes** **6**

Annex B (normative) **Test method for the determination of the rate of mass loss of galvanic anodes** **8**

Annex C (informative) **Cross-references of grade designations of this document to other standard grades of magnesium alloy ingots for cast anodes and magnesium alloys for cast anodes** **11**

Bibliography **12**

© ISO 2019 – All rights reserved

Documents
Document Sharing Hub

Full document details: BS ISO 26202:2019

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 79, *Light metals and their alloys*, Subcommittee SC 5, *Magnesium and alloys of cast or wrought magnesium*.

This second edition cancels and replaces the first edition (ISO 26202:2007), which has been technically revised. The main changes compared with the previous edition are as follows:

a) a note has been added in 4.1;

b) in Clause 5, the compositions in Tables 1 and 2 have been updated;

c) in Clause 5, EN-MBMgAl6Zn1 has been deleted and the designations “EN-” have been replaced with “ISO-”;

d) “Sampling” has been included as 6.1;

e) “Packaging and surface protection” has been added as Clause 8;

f) in Annex C, cross-references of grade designations of this document to other standard grades of magnesium alloys for cast anodes have been added.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

© ISO 2019 – All rights reserved
Documents
Document Sharing Hub
Full document details: BS ISO 26202:2019

Introduction

This document classifies magnesium alloys for cast anodes into a number of grades suitable for the applications for which they might be used. Annexes A and B describe methods for electrochemical tests with corresponding recommended values. Annex C gives cross-references of grade designations of this document to other standard grades of magnesium alloys for cast anodes.

© ISO 2019 – All rights reserved

Documents
Document Sharing Hub
Full document details: BS ISO 26202:2019