
**Magnesium and magnesium alloys —
Unalloyed magnesium — Chemical
composition**

*Magnésium et alliages de magnésium — Magnésium non allié —
Composition chimique*

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Foreword

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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).

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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 fourth edition cancels and replaces the third edition (ISO 8287:2011), which has been technically revised.

The main changes compared with the previous edition are as follows:

- a) in the Introduction and [Clause 2](#), EN 12421:1998 has been replaced by EN 12421:2017;
- b) four new grades of cast unalloyed magnesium have been added in [Table 1](#), namely ISO Mg99,95C, ISO Mg99,995A, ISO Mg99,995B and ISO Mg99,995C.

Introduction

This document classifies commercially available cast unalloyed magnesium into a number of grades suitable for the applications for which they might be used. The grades listed in this document are identical to those in EN 12421:2017.

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