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Požarna zaščita - Gasila - Prah (ISO 7202:2018)

Fire protection — Fire extinguishing media — Powder (ISO 7202:2018)

Protection contre l'incendie — Agents extincteurs — Poudres (ISO 7202:2018)

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ICS:

13.220.10	Gašenje požara	Fire-fighting
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INTERNATIONAL STANDARD

**ISO
7202**

Third edition
2018-08

Fire protection — Fire extinguishing media — Powder

Protection contre l'incendie — Agents extincteurs — Poudres

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Reference number
ISO 7202:2018(E)

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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 on 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 21, *Equipment for fire protection and firefighting*, Subcommittee SC 6, *Foam and powder media and firefighting systems using foam and powder*.

This third edition cancels and replaces the second edition (ISO 7202:2012), which has been technically revised.

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

- A new subclause [5.5](#) was introduced requesting the testing of the content of MAP in dry chemical powders of the ABC-type.
- A new subclause [13.10](#) was introduced with the description of the method to evaluate the MAP content in Class ABC powders.
- A NOTE was added to subclause [13.10](#) referring to an alternate method described in [Annex E](#).
- A new [Annex E](#) was added introducing the Japanese titration method for MAP testing in ABC-type powders.

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.

Introduction

This document is one of a series giving specifications for fire extinguishing media in common use and which are in need of specification for firefighting purposes. These specifications are designed to establish that the medium in question has at least a minimum useful fire extinguishing capability and can therefore be reasonably sold for fire extinguishing purposes.

Requirements for media used in particular equipment will form the subject of future International Standards.

[Annexes A](#) to [D](#) provide important information and give recommendations relating to the use of extinguishing powders, and they should be read carefully by all concerned with the use of extinguishing powders. They do not, however, form part of the document.

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Fire protection — Fire extinguishing media — Powder

1 Scope

This document specifies requirements for the chemical and physical properties, and for minimum performance in defined test methods, of fire extinguishing powders suitable for use against fires of classes A, B, C and D. Requirements are also given for the information and data to be declared by the manufacturer.

NOTE The classification of fires is given in ISO 3941.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3310-1, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*

ISO 4788, *Laboratory glassware — Graduated measuring cylinders*

ISO 7165, *Fire fighting — Portable fire extinguishers — Performance and construction*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

batch

single charge of material in the processing equipment that has been made homogeneous by subsection to the same unit and physical processing

Note 1 to entry: This is for the purposes of acceptance and verification testing by an inspecting authority.

3.2

characterization statement

information and data declared by the manufacturer regarding the chemical and physical properties of the powder

3.3

extinguishing powder

extinguishing medium composed of finely divided solid chemical products consisting of one or more principal components, which are combined with additives to improve its characteristics

Note 1 to entry: The term “dry powder” is sometimes used to denote special metal fire extinguishing agents and the term “dry chemical extinguishing agent” refers to the extinguishing medium covered by this document.

Note 2 to entry: When it is useful to indicate the class of fire for which a particular powder is designed, capital letters may be added before the term. The letters used in this document are those defined in ISO 3941.