

DIN EN 15188



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Determination of the spontaneous ignition behaviour of dust accumulations;
English version EN 15188:2020,
English translation of DIN EN 15188:2021-07

Bestimmung des Selbstentzündungsverhaltens von Staubschüttungen;

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Englische Übersetzung von DIN EN 15188:2021-07

Détermination de l'aptitude à l'auto-inflammation des accumulations de poussières;

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In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

Start of application

The start of application of this standard is 2021-07-01.

For DIN EN 15188:2007-11 there is a transition period ending on 2021-12-31.

National foreword

This standard includes safety requirements.

This document (EN 15188:2020) has been prepared by Technical Committee CEN/TC 305 “Potentially explosive atmospheres — Explosion prevention and protection” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Sicherheitstechnische Grundsätze* (DIN Standards Committee Safety Design Principles), Working Committee NA 095-02-09 “Test methods for determining the flammability characteristics of substances”.

For current information on this document, please go to DIN’s website (www.din.de) and search for the document number in question.

Amendments

This standard differs from DIN EN 15188:2007-11 as follows:

- a) a restriction has been included in the Scope saying that the test method specified in the standard is not to be used with materials mixed with solid or liquid oxidant;
- b) in Clause 3, definitions of bulk density, dust and granules have been included;
- c) requirements for sample baskets and oven (new Clause 4) have been specified in more detail;
- d) the test method and the evaluation of tests has been revised;
- e) Clause 8 “Precision” has been included;
- f) the content of Annex A “Evaluation of experimental results for self-ignition temperature” has been subdivided into Annex A “Theoretical Basis to Determinations and Extrapolations”, Annex B “Extrapolation of induction times”, Annex C “Extrapolation to Temperatures or Volumes of Interest by Numerical solution of Fourier’s equation” and Annex D “Alternative method for running tests adiabatically and interpreting the results”;
- g) Annex E “Safety Precautions” has been added;
- h) Annex F “Significant Changes between this European Standard and EN 15188:2007” has been added;
- i) the standard has been editorially revised.

Previous editions

DIN EN 15188: 2007-11

English Version

Determination of the spontaneous ignition behaviour of dust accumulations

Détermination de l'aptitude à l'auto-inflammation des
accumulations de poussières

Bestimmung des Selbstentzündungsverhaltens von
Staubschüttungen

This European Standard was approved by CEN on 18 October 2020.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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