

SLOVENSKI STANDARD
SIST HD 541 S1:1998**01-oktober-1998**

Methods of test for the determination of the ignitability of solid electrical insulating materials when exposed to electrically heated wire source (IEC 60829:1988, modified)

Methods of test for the determination of the ignitability of solid electrical insulating materials when exposed to electrically heated wire sources

Thermische eigenschaften Elektroisolerstoffen - Entzündbarkeit bei Einwirkung drahtförmiger Zündquellen - Prüfverfahren

Méthodes d'essai pour évaluer l'allumabilité des matériaux isolants électriques solides soumis à des sources de chaleur constituées de fils chauffés électriquement

Ta slovenski standard je istoveten z: HD 541 S1:1991

ICS:

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
29.035.01	Izolacijski materiali na splošno	Insulating materials in general

SIST HD 541 S1:1998**en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST HD 541 S1:1998](https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-15c04e4ba177/sist-hd-541-s1-1998)

<https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-15c04e4ba177/sist-hd-541-s1-1998>

HARMONIZATION DOCUMENT

HD 541 S1

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT

April 1991

UDC 621.315.611:620.1:621.317.333

Descriptors: Solid electrical insulating materials, heat resistant materials, flammability, test method, fire behaviour test

ENGLISH VERSION

METHODS OF TEST FOR THE DETERMINATION OF THE
IGNITABILITY OF SOLID ELECTRICAL INSULATING
MATERIALS WHEN EXPOSED TO ELECTRICALLY HEATED
WIRE SOURCES

(IEC 829:1988, modified)

Méthodes d'essai pour évaluer
l'allumabilité des matériaux
isolants électriques solides
soumis à des sources de chaleur
constituées de fils chauffés
électriquement

(CEI 829:1988, modifiée)

Thermische Eigenschaften von
Elektroisolierstoffen
Entzündbarkeit bei Einwirkung
drahtförmiger Zündquellen
Prüfverfahren

(IEC 829:1988 modifiziert)

iTech STANDARD PREVIEW

(standards.iteh.ai)

SIST HD 541 S1:1998

[https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-](https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-15c04e4ba177/sist-hd-541-s1-1998)[15c04e4ba177/sist-hd-541-s1-1998](https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-15c04e4ba177/sist-hd-541-s1-1998)

This Harmonization Document was approved by CENELEC on 1990-03-05. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B-1050 Brussels

© 1991 Copyright reserved to CENELEC members

Ref. No. HD 541 S1:1991 E

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 829:1988 could be accepted without textual changes, has shown that some CENELEC common modifications were necessary for the acceptance as Harmonization Document.

The reference document, together with the common modifications prepared by the CENELEC Reporting Secretariat SR 15A, was submitted to the CENELEC members for formal vote.

The text of the draft was approved by CENELEC as HD 541 S1 on 5 March 1990.

The following dates were fixed:

- latest date of announcement
of the HD at national level (doa) 1990-09-01
- latest date of publication of
a new harmonized national standard (dop) 1991-11-01
- latest date of withdrawal of
conflicting national standards (dow) 1991-11-01

Annexes designated "normative" are part of the body of this standard.
In this standard, annex ZA is normative.

<https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-15c04e4ba177/sist-hd-541-s1-1998>



ENDORSEMENT NOTICE

The text of the International Standard IEC 829:1988 was approved by CENELEC as a Harmonization Document with agreed common modifications as given below.

COMMON MODIFICATIONS

Contents Delete clause 7.

Replace "8. Test report" by "7. Test report".

Foreword Delete.

1. SCOPE

Replace the first two lines of the first paragraph by:

The test method of this standard is applicable to solid electrical insulating materials and is intended to serve as an indication of their

In the second paragraph, delete "or to the time (Method B)".

In the third paragraph, replace "These test methods are" by "This test method is", and "they are" by "it is".

[SIST HD 541 S1:1998](https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-4c7a17541-s1-1998)

[https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-](https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-4c7a17541-s1-1998)

2. SIGNIFICANCE OF TESTING

Delete the fourth paragraph.

In the fifth paragraph, replace "and times measured are" by "measured is".

3. TEST SPECIMENS

Replace the first paragraph by:

Test specimens for method A shall have the following dimensions:

Delete the third column of the table.

Delete the fourth paragraph.

4. CONDITIONING

Delete the note.

COMMON MODIFICATIONS

7. METHOD B: HOT-WIRE COIL IGNITION

Delete.

8. TEST REPORT

Replace "8" by "7".

In the text of the first dash, delete "or B".

In the text of the fifth dash, delete "(see Sub-clause 7.4)".

In the text of the sixth dash, delete "Sub-clause 7.5: hot-wire coil ignition time (Method B)" and ", the average time and the calculation used".

Figure 3 Delete.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST HD 541 S1:1998

<https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-15c04e4ba177/sist-hd-541-s1-1998>

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

<u>IEC Publication</u>	<u>Date</u>	<u>Title</u>	<u>EN/HD</u>	<u>Date</u>
IEC 212	1971	Standard conditions for use prior to and during the testing of solid electrical insulating materials	HD 437 S1	1984
IEC 695-2-1	1980	Fire hazard testing Part 2: Test methods Glow-wire test and guidance	HD 444.2.1 S1	1983

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST HD 541 S1:1998

<https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-15c04e4ba177/sist-hd-541-s1-1998>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST HD 541 S1:1998](https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-15c04e4ba177/sist-hd-541-s1-1998)

<https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-15c04e4ba177/sist-hd-541-s1-1998>

NORME INTERNATIONALE INTERNATIONAL STANDARD

CEI
IEC
829

Première édition
First edition
1988



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

Méthodes d'essai pour évaluer l'allumabilité
des matériaux isolants électriques solides
soumis à des sources de chaleur constituées de fils
chauffés électriquement

ITEH STANDARD PREVIEW
(standards.iteh.ai)

[SIST HD 541 S1:1998](https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-15c04e4ba177/sist-hd-541-s1-1998)

<https://standards.iteh.ai/catalog/standards/sist/a0df1ac4-1791-42bf-ac3a-15c04e4ba177/sist-hd-541-s1-1998>

Methods of test for the determination
of the ignitability of solid electrical insulating materials
when exposed to electrically heated wire sources

© CEI 1988. Droits de reproduction réservés – Copyright - all rights reserved

Aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de l'éditeur.

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Bureau Central de la Commission Electrotechnique Internationale 3, rue de Varembe Genève, Suisse

Code prix 9
Price code 9

Pour prix, voir catalo.
For price, see current