



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60343 : 1993**

ICS 29.035

**RECOMMENDED TEST METHODS FOR  
DETERMINING THE RELATIVE RESISTANCE  
OF INSULATING MATERIALS TO  
BREAKDOWN BY SURFACE DISCHARGES  
(IEC 343:1991)**

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*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland and comes into  
effect on:  
May 11, 1993*

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## **DECLARATION**

OF

SPECIFICATION

ENTITLED

**RECOMMENDED TEST METHODS FOR DETERMINING THE RELATIVE RESISTANCE  
OF INSULATING MATERIALS TO BREAKDOWN BY SURFACE DISCHARGES  
(IEC 343:1991)**

AS

THE IRISH STANDARD SPECIFICATION FOR

**RECOMMENDED TEST METHODS FOR DETERMINING THE RELATIVE RESISTANCE  
OF INSULATING MATERIALS TO BREAKDOWN BY SURFACE DISCHARGES  
(IEC 343:1991)**

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EOLAS - The Irish Science and Technology Agency in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 ( No. 20 of 1961 ) and the Science and Technology Act, 1987 (No. 30 of 1987), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Recommended Test Methods for Determining the Relative Resistance of Insulating Materials to Breakdown by Surface Discharges (IEC 343:1991)) Declaration, 1993.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Recommended Test Methods for Determining the Relative Resistance of Insulating Materials to Breakdown by Surface Discharges (IEC 343:1991). The Schedule comprises the text of EN 60343 : 1992.  
  
(2) The said standard specification may be cited as Irish Standard/EN 60343 : 1993 or as I.S./EN 60343 : 1993.



EUROPEAN STANDARD

EN 60343

NORME EUROPEENNE

EUROPÄISCHE NORM

October 1992

UDC 621.315.61:620.1:621.3.015.532

Descriptors: Electrical insulating material, solid electrical insulating material, electric strength, electrical endurance test, electrical discharge, electrical breakdown, test condition

### ENGLISH VERSION

**Recommended test methods for determining the  
relative resistance of insulating materials to  
breakdown by surface discharges**  
(IEC 343:1991)

Méthodes d'essai recommandées  
pour la détermination de la  
résistance relative des  
matériaux isolants au claquage  
par les décharges superficielles  
(CEI 343:1991)

Empfohlene Prüfverfahren zur  
Bestimmung der relativen  
Beständigkeit isolierender  
Werkstoffe gegen Durchschlag  
infolge  
Oberflächenglimmentladung  
(IEC 343:1991)

This European Standard was approved by CENELEC on 1992-09-15.  
CENELEC 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 Central Secretariat or to any CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat  
has the same status as the official versions.

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**

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#### FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 343:1991 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60343 on 15 September 1992.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1993-06-01
- latest date of withdrawal of conflicting national standards (dow) 1993-06-01

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

#### ENDORSEMENT NOTICE

The text of the International Standard IEC 343:1991 was approved by CENELEC as a European Standard without any modification.

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