



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60216-6:2004**

ICS 17.220.99;

**ELECTRICAL INSULATING MATERIALS -  
THERMAL ENDURANCE PROPERTIES, PART  
6: DETERMINATION OF THERMAL  
ENDURANCE INDICES (TI AND RTE) OF AN  
INSULATING MATERIAL USING THE FIXED  
TIME FRAME METHOD (IEC 60216-6:2003)**

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EUROPEAN STANDARD

**EN 60216-6**

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2004

ICS 17.220.99; 29.035.01

English version

**Electrical insulating materials -  
Thermal endurance properties**  
**Part 6: Determination of thermal endurance indices (TI and RTE)**  
**of an insulating material using the fixed time frame method**  
(IEC 60216-6:2003)

Matériaux isolants électriques -  
Propriétés d'endurance thermique  
Partie 6: Détermination des indices  
d'endurance thermique (TI et RTE)  
d'un matériau isolant en utilisant  
la méthode de trame de durées fixes  
(CEI 60216-6:2003)

Elektroisolierstoffe -  
Eigenschaften hinsichtlich  
des thermischen Langzeitverhaltens  
Teil 6: Bestimmung der thermischen  
Langzeitkennwerte (TI und RTE)  
eines Isolierstoffes unter Anwendung  
des Festzeitrahmenverfahrens  
(IEC 60216-6:2003)

This European Standard was approved by CENELEC on 2004-03-01. 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.

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**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**



### **Foreword**

The text of document 15E/221/FDIS, future edition 1 of IEC 60216-6, prepared by SC 15E, Methods of test, of IEC TC 15, Insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60216-6 on 2004-03-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2004-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-03-01

Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 60216-6:2003 was approved by CENELEC as a European Standard without any modification.

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60212	1971	Standard conditions for use prior to and during the testing of solid electrical insulating materials	HD 437 S1	1984
IEC 60216-1	2001	Electrical insulating materials - Properties of thermal endurance Part 1: Ageing procedures and evaluation of test results	EN 60216-1	2001
IEC 60216-2	1990	Part 2: Choice of test criteria	HD 611.2 S1	1992
IEC 60216-3	2002	Part 3: Instructions for calculating thermal endurance characteristics	EN 60216-3	2002
IEC 60216-4-1	1990	Part 4: Ageing ovens - Section 1: Single-chamber ovens	HD 611.4.1 S1	1992
IEC 60216-4-2	2000	Part 4-2: Ageing ovens - Precision ovens for use up to 300 °C	EN 60216-4-2	2000
IEC 60216-4-3	2000	Part 4-3: Ageing ovens - Multi-chamber ovens	EN 60216-4-3	2000
IEC 60216-5	2003	Part 5: Determination of relative thermal endurance index (RTE) of an insulating material	EN 60216-5	2003
IEC 60493-1	1974	Guide for the statistical analysis of ageing test data Part 1: Methods based on mean values of normally distributed test results	-	-

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