



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60455-1:1999

ICS 29.035.01

**RESIN BASED REACTIVE COMPOUNDS USED  
FOR ELECTRICAL INSULATION. PART 1:  
DEFINITIONS AND GENERAL REQUIREMENTS  
(IEC 60455-1:1998)**

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EUROPEAN STANDARD

**EN 60455-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 1998

ICS 29.035.01

Supersedes HD 307.1 S2:1981

Descriptors: Solid electrical insulating materials, resins, composite materials, resin hardeners, reaction inhibitors, solvents, designation, definitions, classifications, specifications

English version

**Resin based reactive compounds used for electrical insulation**  
**Part 1: Definitions and general requirements**  
**(IEC 60455-1:1998)**

Composés réactifs à base de résine  
utilisés comme isolants électriques  
Partie 1: Définitions et prescriptions  
générales  
(CEI 60455-1:1998)

Reaktionsharzmassen für die  
Elektroisolierung  
Teil 1: Begriffe und allgemeine  
Anforderungen  
(IEC 60455-1:1998)

This European Standard was approved by CENELEC on 1998-10-01. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, 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**

### **Foreword**

The text of document 15C/969/FDIS, future edition 2 of IEC 60455-1, prepared by SC 15C, Specifications, of IEC TC 15, Insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60455-1 on 1998-10-01.

This European Standard supersedes HD 307.1 S2:1981.

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) 1999-07-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2001-07-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is normative and annex A is informative.

Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 60455-1:1998 was approved by CENELEC as a European Standard without any modification.

In the official version, for annex A, Bibliography, the following note has to be added for the standard indicated:

IEC 61006      NOTE: Harmonized as EN 61006:1993 (not modified).

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**Annex ZA (normative)****Normative references to international publications  
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60050(212)	1990	International Electrotechnical Vocabulary (IEV) Chapter 212: Insulating solids, liquids and gases	-	-
IEC 60455-2	1977	Specification for solventless polymerisable resinous compounds used for electrical insulation Part 2: Methods of test	HD 307.2 S1 <sup>1)</sup>	1986
ISO 472	1988	Plastics - Vocabulary	-	-
ISO 1043-1	1987	Plastics - Symbols Part 1: Basic polymers and their special characteristics	-	-
ISO 1043-2	1988	Part 2: Filters and reinforcing materials	-	-
ISO 4597-1	1983	Plastics - Hardeners and accelerators for epoxide resins Part 1: Designation	-	-

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1) HD 307.2 S1 includes A1:1982 to IEC 60455-2.



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