

Reaktivne zmesi na osnovi smole, ki se uporabljajo za električno izolacijo - 3. del: Specifikacije za posamezne materiale - 3. list: Nepolnjene poliuretanske zmesi (IEC 60455-3-3:2003)

Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials - Sheet 3: Unfilled polyurethane compounds (IEC 60455-3-3:2003)

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EUROPEAN STANDARD

EN 60455-3-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2003

ICS 29.035.01

Supersedes HD 307.3.3 S1:1986

English version

Resin based reactive compounds used for electrical insulation
Part 3: Specifications for individual materials
Sheet 3: Unfilled polyurethane compounds
(IEC 60455-3-3:2003)

Composés réactifs à base de résines
utilisés comme isolants électriques
Partie 3: Spécifications pour matériaux
particuliers
Feuille 3: Composés résineux
de polyuréthane non chargés
(CEI 60455-3-3:2003)

Reaktionsharzmassen für die
Elektroisolierung
Teil 3: Anforderungen an einzelne
Werkstoffe
Blatt 3: Ungefüllte
Polyurethanharzmassen
(IEC 60455-3-3:2003)

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This European Standard was approved by CENELEC on 2003-06-01. 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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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/1463/FDIS, future edition 2 of IEC 60455-3-3, 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 60455-3-3 on 2003-06-01.

This European Standard replaces HD 307.3.3 S1:1986.

References to HD 307.2 S1:1986 have been updated to EN 60455-2:1999. No significant technical changes have been made.

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) 2004-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-06-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 60455-3-3:2003 was approved by CENELEC as a European Standard without any modification.

~~SIST EN 60455-3-3:2004~~

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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 60455-2	1998	Resin based reactive compounds used for electrical insulation Part 2: Methods of test	EN 60455-2	1999

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

60455-3-3

Deuxième édition
Second edition
2003-04

**Composés réactifs à base de résines
utilisés comme isolants électriques –**

**Partie 3:
Spécifications pour matériaux particuliers –**

**Feuille 3:
Composés résineux de polyuréthane
non chargés**

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**Resin based reactive compounds
used for electrical insulation –**

**Part 3:
Specifications for individual materials –
Sheet 3:
Unfilled polyurethane compounds**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

E

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**RESIN BASED REACTIVE COMPOUNDS USED
FOR ELECTRICAL INSULATION –**

**Part 3: Specifications for individual materials –
Sheet 3: Unfilled polyurethane compounds**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters, express as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
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- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60455-3-3 has been prepared by subcommittee 15C: Specifications, of IEC technical committee 15: Insulating materials.

This second edition cancels and replaces the first edition, published in 1984, and constitutes a minor revision. References to IEC 60455-2 have been updated. No significant technical changes have been made.

The text of this standard is based on the following documents:

FDIS	Report on voting
15C/1463/FDIS	15C/1492/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until 2005. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

INTRODUCTION

This part of IEC 60455 is one of a series which deals with specifications for resin based reactive compounds used for electrical insulation.

The series consists of three parts:

- Part 1: Definitions and general requirements (IEC 60455-1)
- Part 2: Methods of test (IEC 60455-2)
- Part 3: Specifications for individual materials (IEC 60455-3)

IEC 60455-3-3 is one of the specification sheets comprising Part 3, as follows:

Sheet 3: Unfilled polyurethane compounds

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