SLOVENSKI STANDARD
SIST EN 61212-2:2007

01-november-2007

Nadomeġļ a:
SIST EN 61212-2:1998

Izolacijski materiali ï Industrijske toge okrogle laminirane cevi in palice na temelju termiļ no utrjenih smol za elektriļ ne namene ï 2. del: Preskuġalne metode (IEC 61212-2:2006)

Insulating materials - Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes -- Part 2: Methods of test (IEC 61212-2:2006)

Isolierstoffe - Runde Rohre und Stäbe aus technischen Schichtpressstoffen auf der Basis warmhärtender Harze für elektrotechnische Zwecke - Teil 2: Prüfverfahren (IEC 61212-2:2006)

Matériaux isolants - Tubes et barres industriels, rigides, ronds, stratifiés, a base de résines thermodurcissables, a usages électriques -- Partie 2: Méthodes d'essai (IEC 61212-2:2006)

Ta slovenski standard je istoveten z: **EN 61212-2:2006**

ICS:

29.035.01	Izolacijski materiali na splošno	Insulating materials in general

SIST EN 61212-2:2007 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61212-2

December 2006

ICS 29.035.01

Supersedes EN 61212-2:1996

English version

Insulating materials - Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes Part 2: Methods of test

(IEC 61212-2:2006)

Matériaux isolants -
Tubes et barres industriels, rigides, ronds, stratifiés, à base de résines thermodurcissables, à usages électriques
Partie 2: Méthodes d'essai
(CEI 61212-2:2006)

Isolierstoffe -
Runde Rohre und Stäbe aus technischen Schichtpressstoffen auf der Basis warmhärtender Harze für elektrotechnische Zwecke
Teil 2: Prüfverfahren
(IEC 61212-2:2006)

This European Standard was approved by CENELEC on 2006-11-01. 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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

Ref. No. EN 61212-2:2006 E

Foreword

The text of document 15/273/FDIS, future edition 2 of IEC 61212-2, prepared by IEC TC 15, Solid electrical insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61212-2 on 2006-11-01.

This European Standard supersedes EN 61212-2:1996.

The main changes from EN 61212-2:1996 are as follows:

– added application use and safety statements;

– reformatted document to bring it up to current IEC document format;

– test method references updated.

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)	2007-08-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2009-11-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61212-2:2006 was approved by CENELEC as a European Standard without any modification.

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.

Publication	Year	Title	EN/HD	Year
IEC 60167	1964	Methods of test for the determination of the insulation resistance of solid insulating materials	HD 568 S1	1990
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	2005	Electrical insulating materials - Thermal endurance properties Part 2: Determination of thermal endurance properties of electrical insulating materials - Choice of test criteria	EN 60216-2	2005
IEC 60243-1	1998	Electrical strength of insulating materials - Test methods Part 1: Tests at power frequencies	EN 60243-1	1998
IEC 60250	1969	Recommended methods for the determination of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including metre wavelengths	-	-
IEC 60296	2003	Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear	EN 60296 + corr. September	2004 2004
IEC 60695-11-10 A1	1999 2003	Fire hazard testing Part 11-10: Test flames - 50 W horizontal and vertical flame test methods	EN 60695-11-10 A1	1999 2003
IEC 61212-1	-[1)]	Insulating materials - Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes Part 1: Definitions, designations and general requirements	EN 61212-1	2006[2)]

[1)] Undated reference.

[2)] Valid edition at date of issue.

Publication	Year	Title	EN/HD	Year
IEC 61212-3	Series	Insulating materials - Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes Part 3: Specifications for individual materials	EN 61212-3	Series
ISO 62	1999	Plastics - Determination of water absorption	EN ISO 62	1999
ISO 178	2001	Plastics - Determination of flexural properties	EN ISO 178	2003
ISO 604	2002	Plastics - Determination of compressive properties	EN ISO 604	2003
ISO 1183-1	2004	Plastics - Methods for determining the density of non-cellular plastics Part 1: Immersion method, liquid pyknometer method and titration method	EN ISO 1183-1	2004
ISO 3611	1978	Micrometer callipers for external measurement	-	-
ISO 3599	1976	Vernier callipers reading to 0,1 and 0,05 mm	-	-
ISO 6906	1984	Vernier callipers reading to 0,02 mm	-	-

INTERNATIONAL STANDARD

IEC 61212-2

Second edition
2006-04

Insulating materials – Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes –

Part 2: Methods of test

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE S

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

INSULATING MATERIALS – INDUSTRIAL RIGID ROUND LAMINATED TUBES AND RODS BASED ON THERMOSETTING RESINS FOR ELECTRICAL PURPOSES –

Part 2: Methods of test

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.

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International Standard IEC 61212-2 has been prepared by IEC technical committee 15: Standards on specifications for electrical insulating materials.

This second edition cancels and replaces the first edition published in 1995 and constitutes a technical revision.

The main changes from the previous edition are as follows: added application use and safety statements. Reformatted document to bring it up to current IEC document format. Test method references updated.

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

FDIS	Report on voting
15/273/FDIS	15/306/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.

A bilingual version of this publication may be issued at a later date.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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

INTRODUCTION

This part of IEC 61212 is one of a series which deals with industrial, rigid, round, laminated tubes and rods based on thermosetting resins for electrical purposes. The materials are similar to those described in IEC 62011-1 but of different cross-section.

This series, under the general heading *Insulating materials – Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes*, consists of three parts:

Part 1: Definitions, designations and general requirements (IEC 61212-1)

Part 2: Methods of test (IEC 61212-2)

Part 3: Specifications for individual materials (IEC 61212-3)