

**SLOVENSKI STANDARD**  
**SIST EN 61212-1:2007****01-november-2007****BUXca Yý U**  
**SIST EN 61212-1:1998**

nc`UW'g\_]a Uhf]U]É`bXi gff]g\_Y'hc[ Y'c\_fc[ `Y`Ua ]b]fUbY'Wj ]]b'dU]W'bUH'a Y'f  
]n'hc'd'cl'bc`i lf`Yb]`ga c`nUY'Y\_h] bY'bUa YbY'É`%`XY. 8 YZ]b]W]Y'Zc'nbU\_Y]b  
gd`cýbY'nU hYj Y'f]97 \* %&/%!%&\$\*\$ Ł

Insulating materials - Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes -- Part 1: Definitions, designations and general requirements (IEC 61212-1:2006)

**ITeH STANDARD PREVIEW**  
**(standards.iteh.ai)**

Isolierstoffe - Runde Rohre und Stäbe aus technischen Schichtpressstoffen auf der Basis warmhärtender Harze für elektrotechnische Zwecke -- Teil 1: Definitionen, Bezeichnungen und allgemeine Anforderungen (IEC 61212-1:2006)

<https://standards.iteh.ai/catalog/standards/sist/e190e7e9-a301-460a-9dc1-5798ef7c2996/sist-en-61212-1-2007>

Matériaux isolants - Tubes et barres industriels rigides, ronds, stratifiés, a base de résines thermodurcissables, a usages électriques -- Partie 1: Définitions, désignations et exigences générales (IEC 61212-1:2006)

**Ta slovenski standard je istoveten z: EN 61212-1:2006****ICS:**

29.035.01	Izolacijski materiali na splošno	Insulating materials in general
-----------	----------------------------------	---------------------------------

**SIST EN 61212-1:2007****en,fr,de**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 61212-1:2007

<https://standards.iteh.ai/catalog/standards/sist/e190e7e9-a301-460a-9dc1-5798ef7c2996/sist-en-61212-1-2007>

English version

**Insulating materials -  
Industrial rigid round laminated tubes and rods  
based on thermosetting resins for electrical purposes  
Part 1: Definitions, designations and general requirements  
(IEC 61212-1:2006)**

Matériaux isolants -  
Tubes et barres industriels rigides,  
ronds, stratifiés, à base de résines  
thermodurcissables, à usages électriques  
Partie 1: Définitions, désignations et  
exigences générales  
(CEI 61212-1:2006)

Isolierstoffe -  
Runde Rohre und Stäbe aus technischen  
Schichtpressstoffen auf der Basis  
warmhärtender Harze für  
elektrotechnische Zwecke  
Teil 1: Definitionen, Bezeichnungen  
und allgemeine Anforderungen  
(IEC 61212-1:2006)

**STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN 61212-1:2007](https://standards.iteh.ai/catalog/standards/sist/e190e7e9-a301-460a-9dc1-5798ef7c2996/sist-en-61212-1-2007)

<https://standards.iteh.ai/catalog/standards/sist/e190e7e9-a301-460a-9dc1-5798ef7c2996/sist-en-61212-1-2007>

This European Standard was approved by CENELEC on 2006-04-01. 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**

## Foreword

The text of document 15/271/FDIS, future edition 2 of IEC 61212-1, prepared by IEC TC 15, Standards on specifications for electrical insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61212-1 on 2006-04-01.

This European Standard supersedes EN 61212-1:1995.

The main changes from EN 61212-1:1995 are as follows:

- added application use and safety statements;
- reformatted document to bring it up to current IEC/CENELEC document format;
- method for designation of tubes changed in line with common practice;
- new types EP GC 23 and PF CC 24 added. Type PF CP 24 removed.

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) 2007-01-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-04-01

Annex ZA has been added by CENELEC.

SIST EN 61212-1:2007

<https://standards.iteh.ai/catalog/standards/sist/e190e7e9-a301-460a-9dc1-579571627068/en-61212-1-2006>

**Endorsement notice**

The text of the International Standard IEC 61212-1:2006 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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 61212-3	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 472	– <sup>1)</sup>	Plastics - Vocabulary	EN ISO 472	2001 <sup>2)</sup>

iTech STANDARD PREVIEW  
(standards.iteh.ai)

SIST EN 61212-1:2007  
<https://standards.iteh.ai/catalog/standards/sist/e190e7e9-a301-460a-9dc1-5798ef7c2996/sist-en-61212-1-2007>

---

<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 61212-1:2007

<https://standards.iteh.ai/catalog/standards/sist/e190e7e9-a301-460a-9dc1-5798ef7c2996/sist-en-61212-1-2007>

# INTERNATIONAL STANDARD

# IEC 61212-1

Second edition  
2006-03

---

---

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

### Part 1: Definitions, designations and general requirements

<https://standards.iteh.ai/catalog/standards/sist/e190e7e9-a301-460a-9dc1-5798ef7c2996/sist-en-61212-1-2007>  
SIST EN 61212-1:2007

© IEC 2006 — Copyright - all rights reserved

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland  
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: [inmail@iec.ch](mailto:inmail@iec.ch) Web: [www.iec.ch](http://www.iec.ch)



Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

PRICE CODE

L

*For price, see current catalogue*

## CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references .....	6
3 Terms and definitions .....	6
4 Designations and abbreviations .....	7
4.1 General .....	7
4.2 Designation .....	7
4.3 Abbreviations .....	8
4.4 Characteristics of types .....	8
5 General requirements – Appearance .....	10
6 Conditions of supply .....	11
Table 1 – Types of industrial laminated round rolled tubes.....	8
Table 2 – Types of industrial laminated round moulded tubes.....	9
Table 3 – Types of industrial laminated round moulded rods.....	10

iteh STANDARD PREVIEW  
(standards.iteh.ai)

SIST EN 61212-1:2007

<https://standards.iteh.ai/catalog/standards/sist/e190e7e9-a301-460a-9dc1-5798ef7c2996/sist-en-61212-1-2007>



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

---

**INSULATING MATERIALS –  
INDUSTRIAL RIGID ROUND LAMINATED TUBES  
AND RODS BASED ON THERMOSETTING RESINS  
FOR ELECTRICAL PURPOSES –****Part 1: Definitions, designations and general requirements**

## 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.
- 2) The formal decisions or agreements of 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 IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with an IEC Publication.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61212-1 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. Method for designation of tubes changed in line with common practice. New types EP GC 23 and PF CC 24 added. Type PF CP 24 removed.