

# INTERNATIONAL STANDARD

# IEC 61212-3-1

Second edition  
2006-03

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

### Part 3: Specifications for individual materials – Sheet 1: Round laminated rolled tubes

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Commission Electrotechnique Internationale  
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**M**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**INSULATING MATERIALS –  
INDUSTRIAL RIGID ROUND LAMINATED TUBES AND RODS BASED  
ON THERMOSETTING RESINS FOR ELECTRICAL PURPOSES –****Part 3: Specifications for individual materials –  
Sheet 1: Round laminated rolled tubes**

## FOREWORD

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International Standard IEC 61212-3-1 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. New types EP GC 23 and PF CC 24 added and type PF CP 24 removed.

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

FDIS	Report on voting
15/272/FDIS	15/305/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- withdrawn;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.

This series 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)

IEC 61212-3-1 contains one of the specification sheets comprising Part 3, as follows:

Sheet 1: Round laminated rolled tubes.

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

## Part 3: Specifications for individual materials – Sheet 1: Round laminated rolled tubes

### 1 Scope

This part of IEC 61212-3 gives requirements for industrial rigid round laminated rolled tubes for electrical purposes, based on different resins and different reinforcements.

Applications and distinguishing properties are given in Table 1.

Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in the application and not based on this specification alone.

Safety warning:

It is the responsibility of the user of the methods contained or referred to in this document to ensure that they are used in a safe manner.

### 2 Normative references

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.

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

IEC 61212-2:2006 *Insulating materials – Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes – Part 2: Methods of test*<sup>1</sup>

ISO 472, *Plastics – Vocabulary*

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<sup>1</sup> To be published