
Materiali za plošče tiskanih vezij in druge povezovalne strukture - 6-3. del: Nabor oddelčnih specifikacij za armaturne materiale - Specifikacija za apretirane tkanine, tkane s steklenimi vlakni "E" za tiskana vezja

Materials for printed boards and other interconnecting structures - Part 6-3: Sectional specification set for reinforcement materials - Specification for finished fabric woven from "E" glass for printed boards

Materialien für Leiterplatten und andere Verbindungsstrukturen – Teil 6-3: Rahmenspezifikationen für Verstärkungsmaterialien – Spezifikation für mit Haftvermittler ausgerüstete Gewebe aus E-Glasfaser-Garnen für Leiterplatten

Matériaux pour circuits imprimés et autres structures d'interconnexion - Partie 6-3 : Ensemble de spécifications intermédiaires pour matériaux de renfort - Spécification des tissus finis en verre "E" pour circuits imprimés

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English Version

**Materials for printed boards and other interconnecting structures
- Part 6-3: Sectional specification set for reinforcement materials
- Specification for finished fabric woven from "E" glass for printed
boards
(IEC 61249-6-3:2023)**

Matériaux pour circuits imprimés et autres structures
d'interconnexion - Partie 6-3 : Ensemble de spécifications
intermédiaires pour matériaux de renfort - Spécification des
tissus finis en verre "E" pour circuits imprimés
(IEC 61249-6-3:2023)

Materialien für Leiterplatten und andere
Verbindungsstrukturen - Teil 6-3: Rahmenspezifikationen
für Verstärkungsmaterialien - Spezifikation für mit
Haftvermittler ausgerüstete Gewebe aus E-Glasfaser-
Garnen für Leiterplatten
(IEC 61249-6-3:2023)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61249-6-3:2023 (E)**European foreword**

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The following dates are fixed:

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ISO 3344 NOTE Approved as EN ISO 3344

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**Materials for printed boards and other interconnecting structures –
Part 6-3: Sectional specification set for reinforcement materials – Specification
for finished fabric woven from "E" glass for printed boards**

**Matériaux pour circuits imprimés et autres structures d'interconnexion –
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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions.....	6
4 Visual requirements.....	9
5 Physical requirements.....	10
5.1 Fabric count.....	10
5.2 Weave type.....	10
5.3 Fabric thickness.....	10
5.4 Fabric weight.....	10
5.5 Fabric length.....	10
5.6 Fabric width.....	10
5.7 Feather length.....	10
5.8 Filament diameter.....	10
5.9 Bare glass nominal measurement.....	11
6 Chemical requirements.....	11
7 Electrical requirements.....	11
7.1 Dielectric constant.....	11
7.2 Dissipation factor.....	11
8 Workmanship requirements.....	12
8.1 Splices.....	12
8.2 Laser machinability performance.....	12
8.3 Alternate fabric styles and weaves.....	12
9 Quality assurance.....	12
9.1 Statistical process control (SPC).....	12
9.2 Responsibility for inspection.....	13
9.3 Test equipment and inspection facilities.....	13
9.4 Preparation of samples.....	13
9.5 Standard laboratory conditions.....	13
9.6 Inspection requirements and acceptability.....	13
9.6.1 General.....	13
9.6.2 Sample size.....	13
9.6.3 Sampling plans.....	14
9.6.4 Acceptable quality level (AQL).....	14
9.7 Test methods.....	14
9.7.1 Fabric appearance.....	14
9.7.2 Fabric count.....	15
9.7.3 Weave type.....	15
9.7.4 Fabric thickness.....	15
9.7.5 Weight per unit area.....	15
9.7.6 Fabric length.....	16
9.7.7 Fabric width.....	16
9.7.8 Finish level (organic content).....	16
9.7.9 Bias or bowed filling.....	17
10 Preparation for delivery.....	17
10.1 Preservation and packaging.....	17

10.2	Packing.....	17
10.3	Marking.....	17
11	Additional Information.....	17
11.1	Ordering data.....	17
11.2	New styles	17
Annex A (normative) Finished fabric glass styles in SI units.....		18
Bibliography.....		21
Table 1 – Classification of defects		9
Table 2 – Filament Thdiameter designations		10
Table 3 – Bare glass nominal measurements		11
Table 4 – Sample size per number of rolls shipped		13
Table 5 – Sample size per length of individual roll shipped and the acceptable quality level.....		14

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**MATERIALS FOR PRINTED BOARDS AND OTHER
INTERCONNECTING STRUCTURES –**
**Part 6-3: Sectional specification set for reinforcement materials –
Specification for finished fabric woven from "E" glass for printed boards**

FOREWORD

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IEC 61249-6-3 has been prepared by IEC technical committee 91: Electronics assembly technology. It is an International Standard.

This first edition cancels and replaces the IEC/PAS 61249-6-3 published in 2011. This edition constitutes a technical revision.

The text of this International Standard is based on the following documents:

Draft	Report on voting
91/1680/CDV	91/1828A/RVC

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

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

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MATERIALS FOR PRINTED BOARDS AND OTHER INTERCONNECTING STRUCTURES –

Part 6-3: Sectional specification set for reinforcement materials – Specification for finished fabric woven from "E" glass for printed boards

1 Scope

This part of IEC 61249 covers finished fabrics woven from "E" glass electrical grade glass fibre yarns that are intended as a reinforcing material in laminated plastics for electrical and electronic use. All fabrics covered by this specification are plain weave.

This specification determines the nomenclature, definitions, general and chemical requirements for the glass, and physical requirements for finished woven glass fibre fabrics.

Annex A of this document provides a style designator for each finished fabric glass style, with specifications on yarn, fabric count, thickness and weight in both SI and US system.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1

AQL

Acceptable Quality Level

maximum number of defects per hundred units that can be considered satisfactory as a process average

3.2

bias

filling yarns are off-square to the warp ends

3.3

bow

filling yarns lie in an arc across the width of the fabric