

INTERNATIONAL
STANDARD

IEC
60454-3-8

Third edition
2006-02

**Pressure-sensitive adhesive tapes
for electrical purposes –**

**Part 3:
Specifications for individual materials –
Sheet 8 – Woven fabric tapes with pressure-
sensitive adhesive based on glass, cellulose
acetate alone or combined with viscose fibre**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PRESSURE-SENSITIVE ADHESIVE TAPES
FOR ELECTRICAL PURPOSES –****Part 3: Specifications for individual materials –
Sheet 8 – Woven fabric tapes with pressure-sensitive adhesive
based on glass, cellulose acetate alone or combined
with viscose fibre**

FOREWORD

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International Standard IEC 60454-3-8 has been prepared by IEC technical committee 15: Insulating materials.

This third edition of IEC 60454-3-8 replaces the second edition, published in 1998, IEC 60454-3-9, published in 1998 and IEC 60454-3-13, published in 1995.

It represents a consolidation of the three, above-mentioned publications in which all requirements have now been confirmed.

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

FDIS	Report on voting
15/264/FDIS	15/294/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 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- withdrawn;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.

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

INTRODUCTION

This International Standard is one of a series which deals with pressure-sensitive adhesive tapes, intended primarily for electrical purposes.

The series consists of three parts:

Part 1: General requirements (IEC 60454-1)

Part 2: Methods of test (IEC 60454-2)

Part 3: Specifications for individual materials (IEC 60454-3)

This standard contains one of the sheets comprising part 3 as follows:

Sheet 8:

– Woven fabric tapes with pressure-sensitive adhesive based on glass; cellulose acetate alone or combined with viscose fibre

PRESSURE-SENSITIVE ADHESIVE TAPES FOR ELECTRICAL PURPOSES –

Part 3: Specifications for individual materials – Sheet 8 – Woven fabric tapes with pressure-sensitive adhesive based on glass, cellulose acetate alone or combined with viscose fibre

1 Scope

This sheet of IEC 60454-3 contains the requirements for

- glass fabric tapes with pressure-sensitive adhesive,
- cellulose acetate woven fabric tapes with rubber thermosetting adhesive,
- combined cellulose-viscose woven fabric tapes, one side covered with a thermoplastic material, the other side with thermosetting adhesive.

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 that application, and not based on this specification alone.

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 60426:1973, *Test methods for determining electrolytic corrosion with insulating materials*

IEC 60454-1:1992, *Specifications for pressure-sensitive adhesive tapes for electrical purposes – Part 1: General requirements*

IEC 60454-2:1994, *Specifications for pressure-sensitive adhesive tapes for electrical purposes – Part 2: Methods of test*

3 Terms and definitions

For the purposes of this document, the definitions of IEC 60454-1 apply.

4 Classification and designation

4.1 Glass fabric tapes with pressure-sensitive adhesive

The products supplied according to this specification shall be classified as follows:

Type 1: Products having a thermal index of 130 with a rubber thermosetting adhesive.

Type 2: Products having a thermal index of 155 with an acrylic crosslinked adhesive.

Type 3: Products having a thermal index of 180 with a high temperature silicone adhesive.