

**Specifications for pressure-sensitive
adhesive tapes for electrical purposes -
Part 1: General requirements**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 60454-1:2002 sisaldab Euroopa standardi EN 60454-1:1994 ingliskeelset teksti. Käesolev dokument on jõustatud 18.12.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 60454-1:2002 consists of the English text of the European standard EN 60454-1:1994. This document is endorsed on 18.12.2002 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Descriptors: Solid electrical insulation materials, adhesive tape, classification, dimensions, specifications, marking

English version

Specifications for pressure-sensitive adhesive tapes for electrical purposes

Part 1: General requirements

(IEC 454-1 : 1992)

Spécifications pour rubans adhésifs par pression à usages électriques
Partie 1: Prescriptions générales
(CEI 454-1 : 1992)

Bestimmungen für selbstklebende Isolierbänder für elektrotechnische Anwendungen
Teil 1: Allgemeine Anforderungen
(IEC 454-1 : 1992)

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CENELEC

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

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Foreword

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 454-1 : 1992 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as a European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60454-1 on 5 July 1994.

The following dates were fixed:

- latest date of publication
of an identical national
standard (dop) 1995-03-15
- latest date of withdrawal
of conflicting national
standards (dow) —

Annexes designated 'normative' are part of the body of the standard. In this standard, annex ZA is normative.

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INTRODUCTION

This part of IEC 454 is one of a series which deals with the characteristics of pressure-sensitive adhesive tapes for electrical purposes.

The series consists of three parts:

Part 1: General requirements (IEC 454-1).

Part 2: Methods of test (IEC 454-2).

Part 3: Specifications for individual materials (IEC 454-3).

SPECIFICATIONS FOR PRESSURE-SENSITIVE ADHESIVE TAPES FOR ELECTRICAL PURPOSES

Part 1: General requirements

1 Scope

This part of IEC 454 gives general requirements for pressure-sensitive adhesive tapes for electrical purposes.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 454. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this part of IEC 454 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 304: 1982, *Standard colours for insulation for low-frequency cables and wires*.

ISO 472: 1988, *Plastics – Vocabulary*.

3 Definition

For the purpose of this International Standard, the following definition applies:

3.1 pressure-sensitive adhesive tapes: Category of tapes coated on one or both faces with a pressure-sensitive adhesive which is permanently tacky at room temperature. They require no activation by water, solvent or heat to adhere to a variety of dissimilar surfaces upon contact, using only light pressure.

4 Classification and designation

The tape shall be classified by:

- a) form and nature of backing (base) material;
- b) temperature index of pressure-sensitive adhesive tape (4.1);
- c) nature of adhesive (4.2);
- d) the addition of "2" at the end of the designation denotes that the tape is coated with adhesive on both sides.

Particular types of tape may be designated by using the code letters for the form and nature of backing material given in table 1, followed by the figures for temperature index and code letters for the adhesive, as indicated in 4.2.