

Australian Standard<sup>®</sup>

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**PRESSURE-SENSITIVE ADHESIVE  
ELECTRICAL TAPES**

**Part 1—GENERAL  
REQUIREMENTS**

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This Australian Standard was prepared by Committee EL/—, Electrical Standards Board. It was approved on behalf of the Council of the Standards Association of Australia on 16 December 1987 and published on 7 March 1988.

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First published as part of AS C330—1961.  
Second edition 1970.  
Revised and redesignated AS 1621—1974.  
Revised and redesignated AS 1621.1—1988.

## PREFACE

This Standard was prepared on behalf of the Association's Electrical Standards Board as a part replacement for AS 1621—1974, *Pressure sensitive adhesive electrical tapes*. It is identical with and has been reproduced from IEC 454, *Specifications for pressure-sensitive adhesive tapes for electrical purposes, Part 1 (1974): General requirements*.

The page numbers of the IEC English text are given on the bottom left corner of each page of this Standard.

This Standard is one of a series which deals with pressure-sensitive adhesive tapes for electrical purposes, the series being arranged as follows:

Part 1: General requirements (AS 1621.1)

Part 2: Methods of test (AS 1621.2)

Part 3: (Specifications for individual materials, published separately)

For the purposes of this Australian Standard, the cross references to other publications should be replaced by references to Australian Standards as shown below except where the words 'No Australian equivalent' are used. It should be noted that this statement applies only at the time of publication of this Standard.

<i>Reference to IEC Publication</i>	<i>Appropriate Australian Standard</i>
'Part 2 of the draft recommendation' (Sub-clause 2.3 Note)	AS 1621 Pressure-sensitive adhesive electrical tapes  Part 2: Methods of test (AS 1621.2)
'Part 3 of the specifications' (Sub-clause 2.1 Note)	Part 3 as it applies to the particular material
IEC 304 Standard colours for insulation for low-frequency cables and wires	No Australian equivalent

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**Australian Standard**

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**PRESSURE-SENSITIVE ADHESIVE ELECTRICAL TAPES**

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**PART 1: GENERAL REQUIREMENTS**

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## 1. Scope

This part of the recommendation specifies general requirements for pressure-sensitive adhesive tapes for electrical use.

## 2. Classification and designation

The tape shall be classified by:

- a) Form and nature of backing (base) material.
- b) Temperature index of backing (base) material (Sub-clause 2.1).
- c) Minimum application temperature as soon as a method of test has been developed (Sub-clause 2.2).
- d) Nature of adhesive (Sub-clause 2.3).

Particular types of tape may be designated by using the code letters for the form and nature of backing material given in Table I, followed by the figures for temperature index and minimum application temperature and code letters for the adhesive, as indicated in Sub-clause 2.3.

Examples for designation (without minimum application temperature):

P-Cc/90/Tp  
or F-PTFE/130/Ts

### 2.1 *Temperature index*

The temperature index of the backing (base) material shall be quoted as the value in the following list that lies directly below the determined temperature index: 75, 90, 105, 120, 130, 155, 180 or higher than 180.

*Note.* — For the purpose of this recommendation, the temperature index is related to the requirements given in Part 3 of the specifications. The temperature index, while giving guidance of the thermal ageing behaviour of the material, should not be identified with the maximum admissible service temperature of this material in an insulation system.

### 2.2 *Minimum application temperature*

Under consideration.