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Australian Standard 2666—1983

PRESSURE SENSITIVE ADHESIVE LABEL STOCK— PAPER



STANDARDS ASSOCIATION OF AUSTRALIA
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This Australian standard was prepared by Committee MS/44, Pressure Sensitive Labels. It was approved on behalf of the Council of the Standards Association of Australia on 27 September 1983 and published on 4 November 1983.

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Australian Retailers Association
Confederation of Australian Industry
Department of Defence
Packaging Council of Australia
Plastics Institute of Australia Incorporated
Printing and Allied Trades Employers Federation of Australia
Railways of Australia Committee
Roll Label Ticket and Tag Manufacturers Association of N.S.W.
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**PRESSURE SENSITIVE
ADHESIVE LABEL STOCK—
PAPER**

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PREFACE

This standard was prepared by the Association's Committee on Pressure Sensitive Labels at the request of the Department of Defence which, in the first instance, required standards for all types of label stock as a basis for standards for pressure sensitive labels to be converted from this stock.

This standard is one of a series of standards to be prepared for both the label stock with backing of paper, plastics, laminated foil, metal or textile and a wide variety of labels converted from this stock.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
for
PRESSURE SENSITIVE ADHESIVE LABEL STOCK—PAPER

SECTION 1. SCOPE AND GENERAL REQUIREMENTS

1.1 SCOPE. This standard specifies requirements for general purpose, pressure sensitive adhesive (PSA) paper label stock.

Label stock is intended for conversion to many types of paper labels for use on a variety of clean, smooth, flat or moderately curved surfaces at temperate conditions.

NOTE: Purchasing guidelines are provided in Appendix A.

1.2 REFERENCED DOCUMENTS. The following standards are referred to in this standard:

- AS 1301 Methods of Test for Pulp and Paper
Method P426s Thickness of Single Sheets of Paper, Paperboard and Corrugated Fibreboard
- AS 1580 Methods of Test for Paints and Related Materials
Method 213.2 Dry Hiding Power—Contrast Ratio
Method 601.1 Colour—Visual Comparison
Method 601.2 Colour — Instrumental Measurement of Colour Difference Using the 'Colormaster' Differential Colorimeter
Method 601.3 Colour — Instrumental Measurement of Colour Difference Using the Colour Eye
Method 602.1 Visual Assessment of Gloss
Method 602.2 Specular Gloss
Method 602.3 Visual Assessment of Gloss (Boller)
- AS 1635 Methods of Test for Pressure Sensitive Adhesive Tapes
Method 3.1 Adhesion Strength
- AS 2001 Methods of Test for Textiles
2001.4.21 Colourfastness Tests—Method 21 Determination of Colourfastness to Light Using an Artificial Light Source (Mercury Vapour-Tungsten Filament-Internally Phosphor-coated Lamp)
- AS 2193 Methods for Calibration and Grading of Force-measuring Systems of Testing Machines.

1.3 CLASSIFICATION. Label stock shall be one of two classes, viz—

- Class I Permanent
Class II Removable

The class shall be as specified by the purchaser (see Appendix A, Paragraph A3(c)).

1.4 MATERIALS AND CONSTRUCTION.

1.4.1 General. Label stock shall consist of paper with a backing coat of adhesive and a protective release backing which shall be readily and completely removable.

1.4.2 Paper. The paper shall be of wood-free quality and the thickness, when measured in accordance with AS 1301, P426s, shall be uniform within a tolerance of $\pm 5 \mu\text{m}$.

1.4.3 Release backing.

1.4.3.1 Mass per unit area. When release backing is tested in accordance with Appendix B, the mass per unit area shall be as specified by the purchaser (see Appendix A, Paragraph A3(d)).

1.4.3.2 Thickness. When release backing is tested in accordance with Appendix C, the thickness shall be as specified by the purchaser (see Appendix A, Paragraph A3(d)).

The thickness of test specimens taken from any area of the web shall not vary by more than ± 5 percent of their average.

1.4.4 Form. Label stock may be in sheet form or roll form wound on a core, as specified by the purchaser (see Appendix A, Paragraph A3(e)).

The core shall have sufficient rigidity to resist distortion and wear under normal conditions of transportation and use.

Roll label stock may be slit as specified by the purchaser (see Appendix A, Paragraph A3(f)).

The number of splices shall not exceed 2 per 500 m or 3 per 1000 m of roll stock.

1.4.5 Dimensions and tolerances. The dimensions and tolerances for label stock shall be as specified by the purchaser (see Appendix A, Paragraph A3(g)).

The internal diameter of the core shall be $76.0 + 1.0, -0 \text{ mm}$.

1.5 DIE CUTTING PROPERTIES. Label stock shall be capable of being readily, cleanly and completely die cut.

1.6 PACKAGING AND MARKING.

1.6.1 Packaging. Label stock shall be packed so that it is adequately protected from damage in transportation and from deterioration due to climatic conditions. Rolls shall be protected so that they will not adhere to each other or to the primary pack.