

Australian Standard™

**Methods of test for single sided and  
double sided pressure sensitive  
adhesive tape**

**Part 0: Method selection guide**

**STANDARDS**  
Australia



This Australian Standard was prepared by Committee PK-025, Packaging Code. It was approved on behalf of the Council of Standards Australia on 20 October 2005. This Standard was published on 16 November 2005.

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## PREFACE

This Standard was prepared by Standards Australia Committee PK-025, Packaging Code.

The objective of the Standard is to list and provide commentary on the test methods in the AS 2313 series of Standards.

The part and method titles in the AS 2313, *Methods of test for single sided and double sided pressure-sensitive adhesive tape* series are as follows:

## AS

- |          |   |
|----------|---|
| 2313     | Methods of test for single sided and double sided pressure-sensitive adhesive tape                  |
| 2313.0   | Part 0: Method selection guide  |
| 2313.1.1 | Method 1.1: Adhesion—Peel adhesion  |
| 2313.1.2 | Method 1.2: Adhesion—Quickstick   |
| 2313.1.3 | Method 1.3: Adhesion—Rolling ball tack  |
| 2313.1.4 | Method 1.4: Adhesion—Adhesion strength after immersion  |
| 2313.1.5 | Method 1.5: Adhesion—Adhesion strength to own backing   |
| 2313.1.6 | Method 1.6: Adhesion—Unwind force   |
| 2313.1.7 | Method 1.7: Adhesion—Resistance to static shear load at elevated temperature                        |
| 2313.1.8 | Method 1.8: Adhesion—Resistance to dynamic shear load at elevated temperature                       |
| 2313.1.9 | Method 1.9: Adhesion—Resistance to shear peel at elevated temperature                               |
| 2313.2.1 | Method 2.1: Physical properties—Breaking strength   |
| 2313.2.2 | Method 2.2: Physical properties—Elongation  |
| 2313.2.3 | Method 2.3: Physical properties—Length  |
| 2313.2.4 | Method 2.4: Physical properties—Thickness   |
| 2313.2.5 | Method 2.5: Physical properties—Water vapour transmission rate                                      |
| 2313.3.1 | Method 3.1: Ageing properties—Accelerated ageing  |
| 2313.3.2 | Method 3.2: Ageing properties—Stability of cellulose tape by accelerated ageing                     |
| 2313.3.3 | Method 3.3: Ageing properties—Mending stability   |
| 2313.3.4 | Method 3.4: Ageing properties—Determination of resistance to accelerated ageing by artificial light |

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## FOREWORD

The testing and evaluation of the properties of single sided and double sided adhesive tape are determined by three categories, adhesion, physical properties and ageing properties. Each of these characteristics are covered by Standards which are part of the AS 2313 series, which comprises test methods to measure these characteristics.

This Standard gives guidance to help the testing technician to determine the appropriate test that will measure the characteristics, which are required.

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**STANDARDS AUSTRALIA****Australian Standard****Methods of test for single sided and double sided pressure-sensitive adhesive tape****Part 0: Method selection guide****SECTION 1 SCOPE AND GENERAL****1.1 SCOPE**

This Standard gives guidance on the selection of the appropriate test methods in the AS 2313 series for the testing and evaluation of single sided and double sided pressure sensitive adhesive tape.

**1.2 REFERENCED DOCUMENTS**

The following documents are referenced in this Standard.

AS	
2400	Packaging
2400.1	Part 1: Glossary of packaging terms

**1.3 DEFINITIONS**

For the purpose of this Standard, the terms and definitions in AS 2400.1 apply.