ISO 29862:2024-12 (E)

Self adhesive tapes - Determination of peel adhesion properties

Contents

Page

Foreword ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Significance and use **2**

5 Method 1 — Self adhesive tapes — Measurement of peel adhesion from stainless steel at an angle of 180° **3**
5.1 Principle 3
5.2 Materials 3
5.3 Apparatus 4
5.3.1 Test piece cutter 4
5.3.2 Tensile testing machine 4
5.3.3 Stainless steel panels 4
5.3.4 Roller mechanically or hand operated 4
5.3.5 Light hand roller 4
5.4 Test samples and test pieces 4
5.5 Procedure 5
5.5.1 Standard test conditions 5
5.5.2 Preparation of the panel 5
5.5.3 Peel adhesion 5
5.6 Expression of results 6
5.7 Test report 6

6 Method 2 — Self adhesive tapes — Measurement of peel adhesion from its own backing at an angle of 180° **6**
6.1 Principle 6
6.2 Apparatus 7
6.2.1 Test piece cutter 7
6.2.2 Tensile testing machine 7
6.2.3 Suitable panels 7
6.2.4 Roller mechanically or hand operated 7
6.3 Test samples and test pieces 7
6.4 Procedure 7
6.4.1 Standard test conditions 7
6.4.2 Preparation 7
6.5 Expression of results 7
6.6 Test report 7

7 Method 3 — Self adhesive tapes — Measurement of peel adhesion of double-sided and transfer tapes at an angle of 180° **8**
7.1 Principle 8
7.2 Materials 8
7.3 Apparatus 8
7.4 Test samples and test pieces 8
7.5 Procedure 8
7.5.1 Standard test conditions 8
7.5.2 Preparation of the panel 8
7.5.3 Procedure for open side of double-sided or adhesive transfer tape 8
7.5.4 Procedure for closed side of double-sided or adhesive transfer tape 9

7.6 Expression of results 9
7.7 Test report 9

8 Method 4 — Self adhesive tapes — Measurement of adhesion of the liner to an adhesive tape at an angle of 180° 9
8.1 Principle 9
8.1.1 Double-sided adhesive tapes 9
8.1.2 Single sided adhesive tapes 9
8.2 Materials 9
8.3 Apparatus 9
8.4 Test samples and test pieces 9
8.5 Procedure 10
8.5.1 Double-sided tapes 10
8.5.2 Single sided tape 10
8.6 Expression of results 10
8.7 Test report 10

Annex A (normative) **Self adhesive tapes — Measurement of peel adhesion from a surface at low temperature 11**

Annex B (normative) **Self adhesive tapes — Measurement of peel adhesion from a surface at an angle of 90° 12**

Bibliography 14