

ISO 29863:2018 (E)

Self adhesive tapes — Measurement of static shear adhesion

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Significance and use
5	Method A: Measurement of shear adhesion to a vertical standard steel panel
5.1	Principle
5.2	Materials
5.3	Apparatus
5.3.1	Typical shear adhesion tester
5.3.2	Test piece cutter
5.3.3	Stainless steel panels
5.3.4	Roller mechanically or hand operated
5.4	Test samples and test piece
5.5	Procedure
5.5.1	Standard test conditions
5.5.2	Preparation of the panel
5.5.3	Shear adhesion
5.5.3.1	Test piece preparation
5.5.3.2	Shear adhesion test
5.6	Expression of results
5.7	Test report
6	Method B: Measurement of shear adhesion to a vertical panel covered with NIST SRM 1810A standard fibreboard
6.1	Principle
6.2	Materials
6.3	Apparatus
6.3.1	Test piece cutter
6.3.2	Suitable panels
6.3.3	Roller mechanically or hand operated
6.3.4	Test stands and ancillary apparatus
6.4	Test samples and test piece
6.5	Procedure
6.5.1	Standard test conditions
6.5.2	Preparation of the panel
6.5.3	Shear adhesion
6.5.3.1	Test piece preparation
6.5.3.2	Shear adhesion test
6.6	Expression of results
6.7	Test report
7	Method C: Measurement of shear adhesion to a vertical panel covered with a fibreboard agreed upon by the buyer and the seller
7.1	Principle
7.2	Procedure

- 8** **Method D: Measurement of shear adhesion of filament reinforced tape applied to a horizontal standard steel panel**
 - 8.1** **Principle**
 - 8.2** **Materials**
 - 8.3** **Apparatus**
 - 8.3.1** **Test piece cutter**
 - 8.3.2** **Stainless steel panels**
 - 8.3.3** **Roller mechanically or hand operated**
 - 8.3.4** **Test stands and ancillary apparatus**
 - 8.4** **Test samples and test piece**
 - 8.5** **Procedure**
 - 8.5.1** **Standard test conditions**
 - 8.5.2** **Preparation of the panel**
 - 8.5.3** **Shear adhesion**
 - 8.5.3.1** **Test piece preparation**
 - 8.5.3.2** **Shear adhesion test**
 - 8.6** **Expression of results**
 - 8.7** **Test report**

- 9** **Method E: Measurement of shear adhesion of filament reinforced tape applied to a horizontal panel covered with NIST SRM 1810A standard fibreboard**
 - 9.1** **Principle**
 - 9.2** **Procedure**

- 10** **Method F: Measurement of shear adhesion of filament reinforced tape applied to a horizontal panel covered with a fibreboard agreed upon by the buyer and the seller**
 - 10.1** **Principle**
 - 10.2** **Procedure**

- 11** **Method G: Measurement of shear adhesion to a vertical standard steel panel at an elevated temperature after 10 min dwell time**
 - 11.1** **Principle**
 - 11.2** **Procedure**