

Self adhesive tapes — Measurement of static shear adhesion

The European Standard EN 1943:2002 has the status of a
British Standard

ICS 83.180

National foreword

This British Standard is the official English language version of EN 1943:2002. It supersedes BS EN 1943:1996 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee PKW/5, Primary and transport packaging, to Subcommittee PKW/5/33, Tensional strapping, taping and accessories, which has the responsibility to:

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English version

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Rubans auto-adhésifs - Mesurage du pouvoir adhésif
tangential

Klebebänder - Messung des Scherwiderstandes unter
statischer Belastung

This European Standard was approved by CEN on 1 August 2002.

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Foreword

This document EN 1943:2002 has been prepared by Technical Committee CEN/TC 253 "Self adhesive tapes", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2003, and conflicting national standards shall be withdrawn at the latest by April 2003.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This European Standard has been revised in conjunction with AFERA (European Association for the Self Adhesive Tape Industry) in Europe and PSTC (Pressure Sensitive Tape Council) in USA with the purpose to produce a standard which will be acceptable in due course by ISO.

Key changes from EN 1943:1996

- $\frac{3}{4}$ the principle of shear adhesion measurement changes to time to failure under constant load from a measurement of the load to induce failure within four hours;
- $\frac{3}{4}$ scope of the test is expanded to include horizontal shear measurement of filament reinforced tape and to include fibreboard substrate;
- $\frac{3}{4}$ steel plates are revised to readily available, industry standard steel with a smoother surface finish “in line with EN 1939 Rev.”;
- $\frac{3}{4}$ test piece preparation procedure is revised in line with EN 1939 Rev.