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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 28177.3-2012

Identification cards -- Thin flexible cards -- Part 3: Test methods

识别卡 柔性薄卡 第3部分：测试方法

(English Translation)

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Foreword

GB/T 28177 "flexible thin card identification card" is divided into three parts.

--- Part 1. Physical characteristics;

--- Part 2. magnetic recording technology;

--- Part 3. Test methods.

This is Part 3 GB/T 28177 in.

Rules in this section in accordance with GB/T 1.1-2009 given draft.

This section uses redrafted law revision using ISO/IEC 15457-3:2008 "identification card

thin flexible cards - Part 3. Test methods." this part of ISO/IEC 15457-3. compared to 2008, there is a small number of technical differences.

a) a reference to the international standard ISO 4287-1 original has been replaced by ISO 4287, this part with GB/T 3505-2009 (ISO 4287).

1997, IDT) to be replaced;

b) the international standard reference ISO 5-2:1991, this part with GB/T 11500-2008 (ISO 5-2:2001, IDT) be instead;

c) the original international standard for testing the degree of sizing is based on French standards, using GB/T 460-2008 be replaced;

d) Since the original international standards - Part 3 refers to the terms of his 2001 version of Part 1, Part 1 of this standard and amendments adopted the original 2008 version of the international standard, Part 1 Revised Terms To be consistent with the unified national standards, the references in this section 4.4.1 Set at 6.2.4; Part 1 clause 4.5.1 references revised to 6.3;

e) former international standards Part 3 Part 1 5.3.2 4.1.3.3 reference error, the original international standard - Part 1 No 5.3.2, Part Modify the reference points Part 1 4.7.2;

f) The partial deletion of the original international standard - Part 3 4.17.2 Note content;

g) Part 3 of the original international standard section 4.18.5 4.17.7 reference the error, the part no 4.18.5, amend this section as a reference 4.17.5.

Please note that some of the content of this document may involve patent issuing authority of this document does not assume responsibility for the identification of these patents.

This part of the National Information Technology Standardization Technical Committee (SAC/TC28) and focal points.

Introduction

Thin flexible card (TFC) is usually used to obtain goods or services in the field of automatic control, such as public transportation, charging system, parking, vouchers, Gift and so on.

In these applications, the use of magnetic stripe, optical character recognition (OCR), bar codes and other technologies to read and write data recorded by the device.

Acceptance criteria in this section is based on GB/T 28177.1-2011 and GB/T 28177.2-2011.

Identification cards - Thin flexible cards Part 3. Test methods

1 Scope

This section GB/T 28177 specifies the test methods and procedures flexible thin card.

Many testing methods of physical properties of the base material provided in this section applies to material extracted from a continuous sheet or a large sample of the sample;

Unless otherwise explicitly stated otherwise, all given test methods are applicable to the finished card.

Test methods specified in this section is performed on independent samples unless there is a clear description of any single card simply by means of a Testing procedures.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 450 take paper and cardboard sample and the sample vertical and horizontal, positive and negative determination (GB/T 450-2008, ISO 186.

2002, MOD)

GB/T 451.3 paper and cardboard thickness measurement (GB/T 451.3-2002, ISO 534. 1988, IDT) GB/T 454 Determination of bursting strength of paper (GB/T 454-2002, ISO 2758:2001, IDT) GB/T 456 paper and board - Determination of smoothness (Buick method) (GB/T 456-2002, ISO 5627:1995, IDT) GB/T 457 paper and board - Determination of folding endurance (GB/T 457-2008, ISO 5626:1993, MOD) GB/T 458 paper and board - Determination of air permeability (GB/T 458-2008, ISO 5636-2. 1984, ISO 5636-3:1992, ISO 5636-5:2003, MOD) Determination of GB/T 460-2008 paper sizing degree GB/T 742 papermaking raw material, pulp, paper and board - Determination of ash (GB/T 742-2008, ISO 2144:1997, MOD) GB/T 1543 paper and paperboard opacity (paper backing) measurement (diffuse reflectance method) (GB/T 1543-2005, ISO 2471.

1998, MOD)

GB/T 2918 plastic sample conditioning and testing of the standard environment (GB/T 2918-1998, idtISO 291.1997) GB/T 3505 Geometrical product specifications (GPS) Surface texture Profile method - Terms, definitions and surface texture parameters (GB/T 3505-2009, ISO 4287:1997, IDT) GB/T 6062 Geometrical product specifications (GPS) Surface texture Profile method of contact (stylus) instruments nominal characteristics (GB/T 6062-2009, ISO 3274:1996, IDT) GB/T 9286 Paints and varnishes cut test (GB/T 9286-1998, eqvISO 2409.1992) GB/T 10006 coefficient of friction of plastic film and sheet measuring method (GB/T 10006-1988, idtISO 8295. 1986) GB/T 10739 paper, paperboard and pulp sample processing and testing standard atmospheric conditions (GB/T

10739-2002, eqvISO 187.

1990)

GB/T 11500-2008 photographic density measurements - Part 2. Density perspective geometry (ISO 5-2:2001, IDT) GB/T 15120.2 Identification cards - Recording technique - Part 2. Magnetic stripe (GB/T 15120.2-1994, idtISO 7811-2.

1985)

Determination of plastic film and sheet tear resistance of GB/T 16578.2 Part 2. Elmendorf (Elmendorf) method (GB/T 16578.2-2009, ISO 6383-2. 1983, IDT)