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

**GB/T 14155-2008**

Replacing GB/T 14155-1993

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**Door sets -- Soft heavy body impact test**

整樘门 软重物体撞击试验

**(English Translation)**

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### Foreword

This standard is identical with ISO 8270. 1985 "doors - Soft heavy body impact test whole tang" (in English).

This standard is equivalent translation ISO 8270. 1985.

For ease of use, this standard made the following editorial changes.

--- "This International Standard" be replaced by "this standard";

--- Remove the ISO 8270. 1985 Foreword.

This standard replaces GB/T 14155-1993 "plastic doors - Soft heavy body impact test methods." this standard and GB/T 14155-1993 compared to the main changes are as follows.

--- With ISO 8270. 1985 different degree of consistency. GB/T 14155-1993 as a reference, this is equivalent standard;

--- Scope different. GB/T 14155-1993 for plastic doors, this standard applies to doors of various materials;

--- GB standard by the GB/T 14155-1993 Chapter 2 references/T 2918 "plastic sample conditioning and testing of the standard environment" Chapter 2 of this standard to standard ISO 1804 Normative References. 1972 "Door term";

--- Increased Chapter 3, "Terms and definitions" (see Chapter 3);

--- Delete the contents of GB/T 14155-1993 Chapters 5 and 6 of Chapter;

--- Doors modified the presentation of the point of impact (GB/T 14155-1993 section 7.3; Chapter 4 of this standard);

--- Modify the impact height and the number of impact statements (GB/T 14155-1993 of 7.4, Article 7.5; this standard section Chapter 6, paragraph 2);

Content --- This standard Chapter 7 of the test report projects an increase of "hit frequency" and "test air environment." the standard proposed by the Ministry of Housing and Urban-Rural Development of the People's Republic of China.

This standard is under the jurisdiction of the Ministry of Construction of housing building products Standardization Technical Committee, components and products with the urban and rural areas.

## 1 Scope

This standard specifies a soft reset the whole object of the door jamb impact testing.

This standard applies to single-leaf or double-leaf door jamb whole, provided the door should have been ready for installation, and shall include.

--- Single fan (or double-leaf) leaf;

--- Connection with the wall of the door frame;

--- Related hardware accessories (closing member, the rotating member or other special parts).

## 2 Normative references

The following documents contain provisions which, through the application of this standard and become the standard terms. For cited documents with dates, followed by its There are amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

ISO 1804. 1972 Men terminology

## 3 Terms and Definitions

ISO 1804. terms and definitions established door 1972 apply to this standard.

Principle 4

In the leaf surface of the side of one or more predetermined estimate on the weak parts, with a soft and heavy body impact test perpendicular to the plane of the door leaf Inspection, testing it for damage.

## 5 Device

Apparatus shown in Figure 1, the elements described below.

### 5.1

Test equipment Adjustable. should be installed on a variety of test equipment entire door jamb. Installation and actual use of the installation Similar. Test equipment should be sufficiently rigid to ensure that any distortion of the test equipment impact on the test results can be ignored Excluding.

### 5.2

impactor. the total weight of 30kg, approximately 350mm diameter spherical bottle which is equipped with an apparent density of about 1500kg/m<sup>3</sup> sand (by 2mm mesh filter sand).

### 5.3

steel cable, pulley, snap hook and adjusting means.

## 6 Test procedure

It should be measured before and after the test plane door change of position, the test schematic shown in Figure 1.

When the trial began battering ram in a vertical position, pulled the impactor and allowed to fall freely and hit the entire door jamb. Required number of repeated impact, If necessary, it dropped from different heights. Then check for damage entire door jamb.

GB/T 14155-2008/ISO 8270. 1985