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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA 165-2016

Ballistic transparent material

防弹透明材料

(English Translation)

Issued on: January 1, 1970 **Implemented on: January 1, 1970**

Issued by: Ministry of Public Security

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Foreword

The technical content of this standard is mandatory.

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GA 165-1997 "bulletproof composite glass", compared with GA 165-1997 "bulletproof composite glass", in addition to editorial changes , The main technical content is amended as follows.

--- modified the standard name;

- revised the classification of products, grading requirements (see 4.1, 4.2, 4.3, 1997 edition of 4.1,4.2);

--- modified the bulletproof transparent material code (see 4. 4, 1997 version 4.3);

- modified the requirements for light transmittance (see 5.3, 1997, 5.2);

- Added some terminology and definitions (see 3.5);

- Increased requirements for dimensional deviation of bulletproof transparent material (see 5.2);

- increased the number of protective bullets in bulletproof transparent material grading (see 5.4, 1997, 5.4);

- increased environmental adaptability requirements (see 5.3, 5.3 of 1997);

--- Added Appendix A and Appendix B.

This standard by the National Security Alarm System Standardization Technical Committee of the physical protection equipment sub-technical committee (SAC/TC100 /SC1).

The standard drafting unit. the Ministry of Public Security and police with electronic product quality testing center, Guangzhou Xinghua Glass Industry Co., Ltd., Shaoxing through Ming armor materials limited liability company, the Ministry of Public Security alarm system product quality supervision and inspection center, Beijing Sifang Yaming security project

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Limited, Pu Fei Long Trading (Beijing) Co., Ltd.

The drafters of this standard. Qiu Rixiang, Yang Jie, Zhang Zhiquan, Wang Tiangen, Gu Jianwen, Lin Ya, Song Lin.

This standard replaced the previous version of the standard release.

--- GA 165-1997.

Bulletproof transparent material

1 Scope

This standard specifies the terminology and definition of bulletproof transparent materials, classification and code, technical requirements, inspection methods, inspection rules, marking, Packaging, transportation and storage.

This standard applies to the production, inspection and acceptance of transparent sheet such as bulletproof composite glass with bulletproof performance.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB 2828.1 Counting sampling procedures Part 1. Batch inspection sampling plan retrieved by reception quality limit (AQL) Test methods for automotive safety glass - Part 2. Optical performance test GB 5137.2-2002 GB/T 6544 corrugated cardboard Test Method for GJB3196 Bullet

3 Terms and definitions

The following terms and definitions apply to this document.

Bulletproof transparent material balistictransparentmaterial with a bullet-proof capability, light transmission rate to meet the requirements of the plate.

Test card

A corrugated cardboard used to collect test splashes.

Penetrate penetration After the test sample is shot, the permeate hole appears on the sample.

Splash fragment

After the test sample is shot, fragments from the sample body are removed from the sample.

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Nominal thickness norminaltotalthickness Single or multi-layer material consisting of bulletproof transparent material after its total thickness of the minimum nominal value.

Effective hit fairhit Shooting test, the warhead incidence angle deviation is less than or equal to 5 °, the distance between the points of contact with the requirements of Table 5, playing with the edge of the Distance greater than or equal to 50mm, warhead type, warhead speed and bombing point in line with the requirements of Table 1 shooting.

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