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Security protection - Transparent protection materials

安全防范 透明防护材料

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the Ministry of Public Security of the People's Republic of China. Safety precautions transparent protective materials

1 Scope

GB 46036-2025 is the Chinese national standard on security protection - transparent protection materials, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 1 August 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2026. Classification: ICS 13.310, CCS A91. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the classification, grading and code, technical requirements, labeling, packaging, transportation and storage of transparent protective materials, and establishes the The inspection rules for protective materials are described and the corresponding test methods are described. This document applies to the research, development, manufacturing and inspection of transparent protective materials used in the security field.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 2828.1 Sampling procedures for inspection by attributes Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Used in the field of security and prevention, it has one or more properties such as bulletproof, anti-smash, and explosion-proof, and its visible light transmittance meets certain requirements. Required plate.

3.2 strikeface The surface of the transparent protective material that is first impacted.

3.3 testing card testing card Single corrugated cardboard used to monitor the state of splashes on the back side of the impact surface of the test piece and its destructive power.

3.4 spatteredfragment After the impact, the specimen is generated and the fragments fly away from the specimen.

3.5 penetration The permeability perforation phenomenon formed after the specimen is impacted.

3.6 Nominal value of the total thickness of the transparent protective material structure.