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

GB/T 45946-2025

**Glass-ceramic panel for household and similar electrical
appliances**

家用和类似用途电器用微晶面板

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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 was proposed by the China Light Industry Federation.

This document is under the jurisdiction of the National Technical Committee for Standardization of Household Electrical Appliances (SAC/TC46).

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Microcrystalline panels for household and similar electrical appliances

1 Scope

This document specifies the requirements, inspection rules, marking, packaging, and other requirements for glass-ceramic panels for household and similar electrical appliances (hereinafter referred to as "glass-ceramic panels").

The packaging, transportation and storage are given, and the classification is given to facilitate technical regulations, and the corresponding test methods are described.

This document applies to the design, production, quality inspection, and delivery of flat microcrystalline panels. It is for reference only for other special-shaped microcrystalline panels.

2 Normative references

GB/T 1549-2008

GB/T 6739

GB/T 16535

GB/T 21389

GB/T 22588

GB/T 31838.7

GB/T 37781-2019

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 glass-ceramic

glass ceramics ceramicglass A type of polycrystalline glass containing a large amount of microcrystalline phase and glass phase, which is obtained by controlling the crystallization of a basic glass with a specific composition during heating. Crystalline solid material.

[Source. QB/T 4831-2015, 3.1]

3.2 Low expansion glass-ceramic

In the range of 25°C~700°C, the linear thermal expansion coefficient of the material is less

than $20 \times 10^{-7}/K$, and the strain caused by temperature stress is low. (3.1).

[Source. QB/T 4831-2015, 3.2, modified]

3.3

Low expansion glass-ceramics (3.2) made from glass batches without adding inorganic arsenic compounds, antimony oxide and other raw and auxiliary materials.