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

GB/T 46730-2025

**Specification for the use of recycled materials of household
electrical appliances**

家用电器产品再生材料使用规范

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the China National Light Industry Council. This document is under the jurisdiction of the National Technical Committee on Standardization of Household Appliances (SAC/TC46). This document was drafted by: Qingdao Hailuyuan Recycling Technology Co., Ltd., China Household Electric Appliance Research Institute, and Zhuhai Gree Electric Appliances Co., Ltd. Company, Hisense Refrigerator Co., Ltd., BSH Home Appliances Investment (China) Co., Ltd., Guangzhou Panasonic Air Conditioner Co., Ltd., Guangdong Midea Refrigeration Equipment Co., Ltd. Equipment Co., Ltd., Changhong Meiling Co., Ltd., Midea Group Co., Ltd., Tianjin Aohong Environmental Protection Materials Co., Ltd., AUX Air Conditioning Joint-stock company, TCL Industrial Holdings Co., Ltd., Hisense Air Conditioning Co., Ltd., Guangzhou Baiyun Cleaning Co., Ltd., Jiangxi Ge Lin Recycling Materials Co., Ltd., Zhejiang Tianxi Kitchen Appliances Co., Ltd., Anhui Zhongjia Zhirui Technology Co., Ltd., and Kingfa Science & Technology Co., Ltd. Company, Shenzhen Aibolv Environmental Protection Technology Co., Ltd., China National Resources Recycling Association, Ningbo Yuanda Electric Co., Ltd., Jiahe (Zhejiang) Inspection and testing company. The main drafters of this document are. Ren Xianquan, Qu Zongfeng, Cai Yi, Wang Tian, Chang Xuesong, Zhang Yanli, Yin Xumeng, Zhong Xiaoyu, Yan Ling, and Jiang Yueping. Huang Ling, He Can, Wang Haitao, Yang Jianqun, Chen Lian, Bie Qingfeng, Huang Guangjian, Qin

Yufei, Liang Yuqing, Guo Shaohua, Zhang Tao, Tang Baitong, Li Minghuan, Zhang He Dong Gang, Zhang Lihua, and Wang Tongshuai. Standards for the Use of Recycled Materials in Household Appliances

1 Scope

GB/T 46730-2025 is the Chinese national standard covering putting recycled plastic and metal back into an appliance - where it may and may not be used, the property and safety requirements it still has to meet, the restricted substances that come with recyclate from unknown sources, the traceability, and the claim that may be made. First edition, under the China National Light Industry Council. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026.

This document specifies the general requirements, assessment and selection, process control, and traceability management for the use of recycled materials in household appliances. The requirements describe the methods for calculating and classifying the utilization rate of post-consumer recycled materials. This document applies to the use of recycled plastics, recycled metals, and recycled refrigerants in household appliances (hereinafter referred to as "household appliances") and... Management and other related recycled materials should refer to this guideline.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB 26572 Requirements for the Restriction of Hazardous Substances in Electrical and Electronic Products

GB/T 29769-2013 Terminology for the Recycling of Waste Electronic and Electrical Products

3 Terms and Definitions

The terms and definitions defined in GB/T 29769-2013, as well as the following terms and definitions, apply to this document.

3.1 Single-phase AC powered appliances used by non-professionals in homes, residences, and similar settings (e.g., shops, light industry, and farms). Electrical appliances with a rated voltage not exceeding 250V, and other appliances with a rated voltage not exceeding 480V. [Source: GB 44246-2024, 3.1, with modifications]

3.2 recycled material Materials processed from waste materials and used for their original purpose or other purposes. Note

1. Energy recovery is excluded. Note

2. Includes pre-consumer recycled materials and post-consumer recycled materials.

[Source: GB/T 40006.1-2021, 3.1, with modifications]

3.3 Recycled materials are processed from waste materials generated from end-user products and used for their original purpose or other purposes.

Note. Energy recovery is excluded. [Source: GB/T 40006.1-2021, Appendix A, with modifications]

3.4 Useful materials are obtained by reprocessing waste materials generated during the production process.

Note. This excludes materials that are directly recycled in the same production process, such as reworked materials, re-crushed materials, or waste.