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

GB/T 45364-2025

**General technical requirements for domestic vacuum suction
cups**

日用真空吸盘类产品通用技术要求

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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 is required. 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 China Light Industry Federation. This document is under the jurisdiction of the National Technical Committee for Standardization of Daily Miscellaneous Products (SAC/TC 595). This document was drafted by: Guangdong Taili Technology Group Co., Ltd., Zhongshan Shenzhong Standard Quality Research Center, Zhejiang Chenxiang Plastics Co., Ltd., Shunmei Plastics Co., Ltd., Beijing Light Industry Product Quality Supervision and Inspection Station, Beijing Plastics Research Institute Co., Ltd., Zhejiang Feida Sanhe Home Furnishings Co., Ltd., South China University of Technology, Zhejiang Huanyin Plastic Industry Co., Ltd., Zhongshan Jianju Home Furnishings Co., Ltd., Hubei Taili Household Products Manufacturing Co., Ltd., Guangdong Wuyan Testing Technology Co., Ltd., Chinese People's Liberation Army Army Service College, Harbin Municipal Product Quality Comprehensive Inspection and Testing Center. The main drafters of this document are. Shi Zhengbing, Ye Junwen, Gong Baoli, Wang Zhenchang, Fang Yong, Zheng Lirong, Wang Xueli, Liu Xiaomei, Liu Zhewei, Guan Changguo, Li Zihui, Ge Weiji, Yan Yunhai, Song Yaojie, Yuan Bin, Wu Yayi, Yang Fan, and Li Jingjing. General technical requirements for daily vacuum suction cups

1 Scope

GB/T 45364-2025 sets the general technical requirements for domestic vacuum suction cup products, the suction-mounted hooks, racks, holders and bathroom fittings that China makes and exports in enormous quantities. The product's whole claim is that it holds without drilling, and its characteristic failure is that it lets go, quietly and later, dropping whatever was hung on it, which in a bathroom means glass onto a hard floor. The standard sets the classification and the requirements: the load-bearing capacity and the safety factor applied to it, the holding time under sustained load, which is the test that separates a good

suction cup from a bad one, the behaviour after temperature and humidity cycling and after wetting, the requirements on the substrate on which the load rating is valid, the materials and their durability and the corrosion resistance of the metal parts, and the appearance. It then gives the test methods, the inspection rules, and the marking and instructions, including the statement of the surfaces on which the product may be used. It takes effect on 1 September 2025.

1. Tension and/or compression testing machines Inspection and calibration of force measuring systems

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 191 Pictorial markings for packaging, storage and transportation

GB/T 2828.1 Sampling procedures for inspection by attributes Part

GB/T 2829 Periodic Inspection Attribute Sampling Procedure and Table (Applicable to the Inspection of Process Stability)

GB/T 4100-2015 Ceramic tiles

GB/T 6461 Rating of samples and test pieces after corrosion tests on metal and other inorganic coatings on metal substrates

GB/T 10125 Artificial atmosphere corrosion test Salt spray test

GB/T 16825.1 Inspection and calibration of static uniaxial testing machines for metallic materials Part

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 adsorbent A disc-shaped component made of plastic, rubber and other materials, which uses the negative pressure between itself and the adsorbed interface to adsorb itself on the interface.

Note. See Figure 1 for a schematic diagram of the suction cup body. Figure