

QB

**LIGHT INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

QB/T 1653-2023

Replacing QB/T 1653-1992

Polyvinyl chloride (PVC) injection molded sandals and slippers

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(English Translation)

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Foreword

This document was issued on 21 April 2023 by the Ministry of Industry and Information Technology of the People's Republic of China, and has applied since 1 November 2023.

It replaces QB/T 1653-1992.

It is a QB/T standard: a recommended industry standard of China's light industry.

1 Scope

This document specifies the requirements for general aspects, appearance, overall dimensional deviation of symmetrical parts of a pair of shoes, physical and mechanical properties, and restricted substances for polyvinyl chloride (PVC) injection molded sandals and slippers. It describes the corresponding test methods, and stipulates the inspection rules, marking, packaging, transportation and storage. Additionally, it provides a product classification suitable for technical specifications.

This document is applicable to the production, inspection and sales of polyvinyl chloride (PVC) injection molded sandals and slippers produced through injection molding using polyvinyl chloride resin as the main raw material, with appropriate amounts of plasticizers and other additives, colorants, and other auxiliary materials added.

This document does not apply to the production, inspection and sales of PVC injection molded sandals and slippers for daily wear by infants and young children aged 3 years and below (shoe size not greater than 170mm).

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 2411-2008 Plastics and ebonite - Determination of indentation hardness by means of a durometer (shore hardness)

GB/T 2828.1-2012 Sampling procedures for inspection by attributes - Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

GB/T 2918 Plastics - Standard atmospheres for conditioning and testing

GB/T 3293.1 Shoes sizes

GB/T 3903.1 Footwear - Test methods for whole shoe - Flexing resistance

GB/T 3903.6-2017 Footwear - Test methods for whole shoe - Slip performance

GB/T 11026.4 Electrical insulating materials - Thermal endurance properties - Part 4: Aging ovens - Single-chamber ovens

GB 30585-2014 Safety technical specifications for children's footwear

HG/T 2872 Cellular material for rubber-plastics shoes - Determination of apparent density

HG/T 2876 Cellular material for rubber-plastics shoes - Determination of compression set

HG/T 3689-2014 Test method of discoloration for footwear

QB/T 4340 Footwear - Chemical test method - Total heavy metal content - Inductively coupled plasma emission spectroscopy

3 Terms and definitions

No terms and definitions are defined in this document.

4 Classification

Shoes are classified into foamed shoes and non-foamed shoes according to their production process.

Shoes are classified into sandals and slippers according to their use.

5 General requirements

The shoes sizes shall meet the requirements of GB/T 3293.1. Accessories on the shoes shall meet the requirements of the corresponding material standards. The sizes and models of the shoe lasts shall be selected through negotiation between the supplier and the purchaser.

6.1 Appearance

It shall meet those specified in Table 1.