

ICS 61.020
CCS Y76



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

GB/T 35270-2024

Baby carriers

婴幼儿背带（袋）

Issued on: November 28, 2024

Implemented on: December 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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1 Scope

GB/T 35270-2024 is the Chinese standard for baby carriers, the soft slings and structured carriers in which an infant is worn on the body. The hazards are specific and well documented: an infant can suffocate in a carrier that lets the chin fall to the chest or the face press into fabric, can fall through a leg opening that is too large or out of a carrier whose buckle releases, and can suffer hip dysplasia from a carrier that holds the legs in the wrong position. The standard sets the requirements answering each, the structural integrity and the strength of the seams, fasteners and adjusters, the dynamic and static load tests, the leg openings and the head and neck support, the restraint system, the small parts, cords and sharp edges, and the chemical and flammability requirements of the materials,

then the test methods, the instructions for use and the warnings that must accompany the product, the test rules and the marking and packaging. It takes effect on 1 December 2026.

This document specifies the requirements, instructions for use, inspection rules, as well as marking, packaging, transportation and storage of baby carriers, and describes the corresponding inspection methods. This document applies to carriers used by babies who have a certain degree of head support and can be attached vertically to an adult's torso (ages 4 ~ 36 months).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the version corresponding to that date is applicable to this document; for undated references, the latest version (including all amendments) is applicable to this document.

GB/T 5456, Textiles - Burning behaviour - Flame spread properties of vertically oriented specimens

GB 6675.2-2014, Safety of toys - Part

3 Terms and definitions

Terms and definitions determined by GB/T 15557 and the following ones are applicable to this document.

3.1 baby carriers Products made of textiles and/or other accessories, worn on the torso of an adult, and used to fix a baby aged 4 ~ 36 months. Common types are shown in Figure 1.

3.2 leg opening An opening on the baby carrier (3.1) through which the baby's legs can pass and stretch.

3.3 integral leg opening The leg opening (3.2) formed independently of the carrier.

3.4 unbounded leg opening The leg opening (3.2) formed jointly by the wearer's torso and the baby carrier.

Note. See Figure 1

4 Requirements

4.1 Appearance Appearance requirements shall comply with the requirements in Table 1.
Table 1

4.2 Physical and chemical properties

4.2.1 Textile fabrics The textile fabrics used for baby carriers shall comply with the

requirements of GB 31701 and the requirements of Table 2.

4.2.2 Filling The filling materials used in carriers shall comply with the requirements of GB 31701.

4.2.3 Accessories The accessories used in carriers shall comply with the provisions of GB 31701 and shall comply with the provisions of Table 3.

4.3 Structure

4.3.1 Integral leg opening Test integral leg opening according to 5.3.1, and the test ball shall not pass through the leg opening of the carrier.

4.3.2 Unbounded leg opening Test unbounded leg opening according to 5.3.2, and the circular truncated cone for testing shall not pass through the unbounded leg opening of the carrier.

4.3.3 Sharp edges and points The carrier shall not have sharp edges or points and shall comply with the product requirements for babies aged 36 months and below as specified in 4.7 of GB 6675.2-2014.

4.3.4 Small parts Removable parts of the carrier, and any parts that may be grasped by the thumb and index finger or bitten by the teeth of the baby, shall not be fully loaded into the small parts tester shown in Figure 2 when tested according to

5.3.4 small parts.

4.3.5 Fastener and carrier retention After the test of 5.3.5, the fasteners and carriers shall not break or separate, and the sliding displacement shall not exceed 25 mm.

4.4 Overall combustion performance of the carrier Test the overall combustion performance of the carrier in accordance with 5.4, and the flame spread rate shall be less than or equal to 30 mm/s. When the flame spread rate is less than 10 mm/s, it means that the carrier can be used normally; when the flame spread rate is between 10 mm/s ~ 30 mm/s, a warning shall be set on the carrier or its packaging, "Warning. Do not approach fire"; when the flame spread rate is greater than 30 mm/s, the combustion performance of the carrier is unqualified and it is prohibited to use.

4.5 Rope belt

4.5.1 The free end length of ropes, straps and similar components shall not exceed 220 mm, see Figure 3

4.5.2 If ropes, straps and similar components are connected together at the same position on the product or the interval shall not exceed 80 mm, the free end length of any rope shall not exceed 220 mm, and the length from one free end to the other free end shall not exceed 360 mm; see Figure 3 c).

4.5.3 Where ropes, straps and similar components are likely to form loops, their circumference shall not exceed 360 mm.

4.5.4 The requirements of 4.5.1 ~

4.5.3 do not apply if the width of ropes, straps and similar components is not less than 19 mm.

4.6 Needle detection Carriers must undergo a needle inspection process before leaving the factory. No sharp objects such as metal needles shall remain on the carrier products; no metal needles or other sharp objects shall be used in the packaging of carrier products.

5 Test methods

5.1 Appearance quality Inspect visually, where lighting should be used and the illumination should not be less than 600 lx; northern skylight can also be used if conditions permit.

5.2.1 Textile fabrics

5.2.1.1 The formaldehyde content, pH, odor, degradable carcinogenic aromatic amine dyes and color fastness of textile fabrics on the carriers shall be tested in accordance with the provisions of GB/T 21294.

5.2.1.2 For textile fabrics on the carriers, the total lead and total cadmium content in heavy metals shall be tested in accordance with the provisions of GB/T 30157, the extractable heavy metal content shall be tested in accordance with the provisions of GB/T 17593 (all parts), and the phthalate content shall be tested in accordance with the provisions of GB/T 20388.

5.2.2 Filling The filling test shall be carried out in accordance with the provisions of GB 31701.

5.2.3 Accessories

5.2.3.1 The plastic buckles on the carriers shall be tested according to the method of QB/T 5247-2018 for 1 000 times; other types of buckles and other accessories shall be manually opened and closed once and tested 200 times, respectively.

5.3 Structure

5.3.1 Integral leg opening After fixing the carrier, make the leg opening in a horizontal position during the test. If the leg opening size is adjustable, adjust it to the minimum according to the carrier instructions.

5.3.2 Unbounded leg opening According to the instruction manual of the carrier, fix it in front of the test torso 1 (see Figure 4). If the leg opening size is adjustable, the leg opening