

ICS 97.200.50

CCS Y57



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

GB 29281-2012

Safety requirements for playpens and similar cribs

游戏围栏及类似用途童床的安全要求

Issued on: December 31, 2012

Implemented on: May 1, 2014

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

1	Scope
2	Normative References
3	Terms and definitions
3.4.1	Access zone
4	Safety requirements...
4.1	Materials...
4.2	Structure...
4.2.1	Hole, opening and gap...
4.2.2	Edge, point and angle...
4.2.3	Moving parts...
4.2.4	Filling material of the playpens and similar cribs...
4.2.5	Castor or roller...
4.2.6	Coupling screw...
4.2.7	Barriers caused by the protrusion...
4.2.8	Base...
4.2.9	Side plate...
4.2.10	Stability...
4.2.11	Size...
4.2.12	Small parts...
4.3	Packaging...
4.4	Identification and instructions for use...
5	Test method...
5.1	General provisions...
5.2	Material test...
5.3	Measurement of structure size...
5.4	Shear and squeeze points...
5.5	Foothold Point...
5.6	Small parts...
5.7	Occlusion test...
5.8	Test protrusion...
5.9	Folding and locking mechanism...
5.10	Base...

- 5.11 Strength...
- 5.12 Stability test...
- 5.13 Castor or roller...
- 5.14 Packaging...
- 41 References and Original Chinese Documents...

Foreword

Provisions in Chapter 4 of this Standard are mandatory, and the rest are recommendatory. This Standard is prepared according to the rules specified in GB/T 1.1-2009. This Standard refers to BS EN 12227-1.1999 Household Playpen Part 1. Safety Requirements, BS EN 12227-2. 1999 Household Playpen Part 2. Test Method, ISO 7175-1.1997 Household Cribs and Small Folding Bed Part 1. Safety Requirements, ISO 7175-2.1997 Household Cribs and Small Folding Bed Part 2. Test Method; the degree of consistency is not equivalent. This Standard is proposed by China National Light Industry Council. The standard is under the jurisdiction of National Technical Committee of Standardization for Toys (SAC/TC 253). The responsible drafting organizations are Shanghai Institute of Quality Inspection and Technical Research, Guangdong Roadmate Group Co., Ltd., Zhongshan Lerado Daily Necessities Co., Ltd., Goodbaby Child Products Co., Ltd., Ningbo Mybaby Baby Items Manufacturing Co., Ltd., Ningbo Shinema Group Co., Ltd., Guangdong Entry-exit Inspection and Quarantine Bureau Technology Center Toys Laboratory, Fujian Inspection and Research Institute for Product Quality, Beijing Certification Center of Light Industry Council. The chief drafting staffs of this Standard include Zhang Ruohong, Chen Jingru, Lei Zaiming, Peng Xinyu, Chen Zhaoren, Zhou Jiapeng, Xu Yinchang, Li Junqi, Chen Wei. Safety requirements for playpens and similar cribs

1 Scope

GB 29281-2012 is the Chinese national standard on safety requirements for playpens and similar cribs, in the field of domestic and commercial equipment, entertainment, sport. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 31 December 2012 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2014. Classification: ICS 97.200.50, CCS Y57. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This Standard specifies the safety requirements and test methods of playpens and similar cribs. This Standard applies to the household playpens and similar cribs used for children not more than 15kg. It is not applicable to cradles and hammocks. This Standard does not apply to hanging toys, fitness toys and similar toys of playpens and similar cribs. It also does not apply to the safety technical requirements when playpens and similar cribs are converted to other functions.

2 Normative References

The articles contained in the following documents have become this Standard when they are quoted herein. For the dated documents so quoted, all the modifications (including all corrections) or revisions made thereafter shall be applicable to this Standard.

GB/T 2912.1-2009 Textiles-Determination of formaldehyde-Part 1. Free and hydrolyzed formaldehyde (water extraction method)

GB/T 3920-2008 Textiles-Tests for colour fastness-Colour fastness to rubbing

GB/T 3922-1995 Textiles--Testing method for colour fastness to perspiration

GB 5296.5-2006 Instructions for use of products of consumer interest-Part 5. toys

GB 5296.6-2004 Instructions for use of products of consumer interest-Part 6. furniture

GB/T 5713-1997 Textiles-Tests for colour fastness-Colour fastness to water

GB 6675 National safety technical code for toys

GB/T 7573-2009 Textiles-Determination of pH of aqueous extract

GB/T 10807-2006 Flexible cellular polymeric materials-Determination of hardness (indentation technique)

GB/T 17592-2011 Textiles-Determination of the banned azo colourants

GB 18401 National general safety technical code for textile products

GB 18584 Indoor decorating and refurbishing materials--Limit of harmful substances of wood based furniture

GB/T 18886-2002 Textiles-Tests for fastness-Colour fastness to saliva

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions shall apply.

3.1 Playpen A device, scheduled to accommodate children in short-term and surrounded by guardrails for children to play within.

3.2 Similar crib The crib which may be used for playpen

3.3 Folding playpen and similar crib The playpens and similar cribs that can be removed or folded for the convenience of transportation and storage

3.4 Access zone In normal use and foreseeable use, the accessible surrounding areas of playpens and similar cribs Playpens and similar cribs is composed of enclosed side panels and the side panel which may pierce out from the side. Make any point of the piercing side panel or any point above the panel as the centre, the zone within the radius of 300mm is called access zone.

3.4.1 Access zone

1 The entire interior zone of the playpens and similar cribs from where hands cannot come out; and the exterior zone which is 1400mm above the bottom and 300mm below the upper frame, tested vertically with reference to the bedding plane of the playpens and similar cribs; [interior zone + exterior zone] is called access zone 1 [see the dotted line in Figure 1a)]. If it is covered by mattress, the bedding plane is deemed as inaccessible part.