

ICS 71.120; 83.200
CCS G95



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

GB/T 12784-2017

Replacing GB/T 12784-1991

Pressurized kneader for rubber and plastics

橡胶塑料加压式捏炼机

Issued on: May 12, 2017

Implemented on: December 1, 2017

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

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 12784-1991 "rubber and plastic pressurized pinch mixer", compared with GB/T 12784-1991, in addition to editorial The main technical differences are as follows: - 9 additional references were added and the original six references were updated (see Chapter 2,.1991, Chapter 2); - the addition of the terminology and definition of the pressurized pinch mixer and the schematic diagram of the other terms (see Chapter 3);

--- increased model requirements (see 4.1); In order to encourage the development of new products and new technologies, the basic parameters of Chapter 4 of the original standard are moved to the data appendix for reference, And to add and modify the basic parameters (see Appendix A,.1991, Chapter 4); - adjust the order of the terms required in Chapter 5 to comply with the technological process (see Chapter 5,.1991, Chapter 5);

--- the kneading machine mixing room, the rotor, the pressure mound and other parts and the material contact surface increases the "hardness below HRC45 below the surface is not Should be cracked "(see 5.2.2,.1991 edition 5.10); - extend the duration of the hydrostatic test (see 5.2.7, 5.2.8); - increased electrical system requirements (see 5.3.1); The pinch roller is subdivided at 35L and the noise value has been adjusted to improve the requirements (see 5.3.3,.1991) 5.18); - Added detection of all requirements in Chapter 5 (see Appendix B); - the "car material" was quantified, an increase of "each car in accordance with the total volume of the mixing room

0.7 times to

0.8 times the feeding" (see 6.3); - Type of test to increase. type of inspection items include the technical requirements of this standard (see 7.2); - modified rules (see 7.3,.1991 edition 7.2.3); - "Implementation of the standard number" has been added to the sign (see 8.1); - the use of the instructions to increase the implementation of the corresponding standards (see 8.2); - the product storage requirements have been modified (see 8.4,.1991 edition 8.5);

--- removed the original standard Chapter 9. other. This standard is proposed by the China Petroleum and Chemical Industry Association. This standard by the National Rubber and

Plastics Machinery Standardization Technical Committee (SAC/TC71) centralized. The drafting of this standard. Dalian Rubber & Plastic Machinery Co., Ltd., Beijing Rubber Industry Research and Design Institute, Zhejiang Shenda Machinery Manufacturing Co., Ltd. The main drafters of this standard. Zhang Renguang, Huang Shulin, He Cheng, Xia Xiangxiu, Du Jianxie, Li Xianglan. This standard replaced the previous version of the standard release.

--- GB/T 12784-1991. Rubber and plastic pressurized pinch

1 Scope

GB/T 12784-2017 is the Chinese national standard on pressurized kneader for rubber and plastics, in the field of chemical technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 12 May 2017 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 December 2017. Classification: ICS 71.120; 83.200, CCS G95. 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 terms and definitions of rubber and plastic pressurized pinch mixer, type and basic parameters, requirements, test, inspection rules, signs, Packaging, transportation and storage. This standard applies to the rubber and plastic molding and mixing (kneading) of the pinch mixer (hereinafter referred to as pinch mixer).

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 191 packaging and storage icon Mechanical electrical safety machinery - Electrical equipment - Part 1. General technical requirements GB 5226.1-2008

GB/T 6388 shipping package collection and delivery mark General rules for the use of industrial products GB/T 9969

GB/T 12783 Rubber and plastics machinery product model preparation method

GB/T 13306 signs General specification for packaging of electromechanical products

GB/T 13384 Industrial machinery - Electrical equipment - Protective earthing circuit continuity test specification

GB/T 24342 Industrial machinery - Electrical equipment - Insulation resistance test specification

GB/T 24343 GB/T Specification for withstand voltage test of electrical equipment for industrial machinery

GB/T 24344 Determination of sound pressure level of rubber mechanical noise of

HG/T 2108 General technical conditions for the appearance of rubber and plastic machinery for HG/T 3120

HG/T 3223 Rubber machinery terminology Rubber and plastics - General technical requirements for mechanical painting

JB/T 5438 Plastic machinery terminology

3 Terms and definitions

The terms and definitions defined in HG/T 3223 and JB/T 5438 apply to this document. For ease of use, the following is repeated HG/T 3223 and JB/T 5438.

3.1 Pressurized pinch mixer pressurized kneader The use of flip mixing chamber method of unloading the closed rubber (plastic) machine. Schematic diagram shown in Figure 1.
[HG/T 3223-2000, definition 2.1.2]