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# NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA



# GB/T 12622-2008

Replacing GB/T 12622-1990

## Standard test method for compressibility and recovery of gaskets for pipe flanges

管法兰用垫片压缩率及回弹率试验方法

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**Standardization Administration of China**

# Table of Contents





## Foreword

This standard is GB/T 12622-1990 "pipe flange gasket compression rate and rebound rate test method" amendment, and GB/T 12622-1990 compared to the main changes are as follows:

--- The scope of the standard was amended to increase the non-asbestos rubber gasket, PTFE gasket, expanded or modified polytetrafluoroethylene Ene gaskets, flexible graphite gaskets, non-metallic coating layer having a toothed metal, corrugated metal and metal gasket wave tooth;

--- Test Method A, with respect to the type of gasket increased, the corresponding increase in supplemented Head Diameter, pretreatment methods and test specimens Load and other regulations;

--- Test Method B, the supplemental provisions increase the total load of the gasket;

--- Test temperature to 21 °C ~ 30 °C, in order to be consistent with ASTMF36-99;

--- Increased the number of tests and test content reporting requirements. From the date of implementation of this standard, instead of the GB/T 12622-1990. The standard proposed by China Machinery Industry Federation. This standard by the National Standardization Technical Committee pipe accessories. This standard was drafted. the machine Productivity Promotion Center, Nanjing University, Zhejiang Cathay Pacific sealing materials Co., Ltd., Ningbo-day To Xinyuan Sealing Technology Co., Ltd., Ningbo born seals Limited, National Non-metallic mineral products Quality Supervision and Inspection Center, CHINA the University. The main drafters of this standard. Gu Boqin, Li Junying, Wu Yimin, Cairen Liang, Yuan Yilin, Li root row, Chen Ye, Lei Jianbin, Feng Mei. This standard replaces the standards previously issued as follows:

--- GB/T 12622-1990. Test methods for pipe flanges with gaskets compression rate and rebound rate

## 1 Scope

GB/T 12622-2008 is the Chinese national standard on standard test method for

compressibility and recovery of gaskets for pipe flanges, in the field of fluid systems and general-purpose components. 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 7 May 2008 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 November 2008. Classification: ICS 23.040.60, CCS J15. 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 pipe flange gasket compression rate and rebound rate of A, B two test methods. Test Method A suitable asbestos rubber gasket, non-asbestos rubber gasket, PTFE gasket, expanded or modified polytetrafluoroethylene pad Sheet, flexible graphite gasket. Test Method B is suitable for spiral wound gasket, metal jacketed gasket, PTFE-coated gaskets, non-metallic coating layer having a gold tooth Genera, and corrugated metal gasket metal wave tooth. This method also applies to Test Method A applies gasket, metal flat gasket may also refer to This method.



## 2.1 Test apparatus

2.1.1 Test on a dedicated resilient gasket compression test apparatus, Figure 1 is an example of the test apparatus. 1

--- displacement sensor; 4

--- heavy mound; 5

--- Tour mound; 7

--- operation panel; . 9

--- printer. Figure 1 applies to Test Method A gasket compression rebound performance test device

2.1.2 anvil diameter of not less than 31.7mm round table, subject to surface hardening and grinding process, the hardness is not less than 40HRC, surface roughness