

ICS 23.040.80

CCS Q 24



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

GB/T 22308-2008

Standard test method for density of a sheet gasket material

密封垫板材料密度试验方法

(English Translation)

Issued on: August 20, 2008

Implemented on: April 1, 2009

Issued by: Standardization Administration of China

Table of Contents

Foreword
1 Scope
2 Normative references
3 Summary of Test Method
4 Significance and Use
5 Interference
6 Test Equipment

Foreword

This standard is identical with the American Society for Testing Materials ASTM F1315-00 (2006 confirmation) "sealing plate material density test method".

This standard is equivalent translation ASTM F1315-00 (2006 confirmed).

Compared with ASTM F1315-00 (2006 confirmation), this standard the following modifications.

--- Remove the first 1.2 "values \u200b\u200b given in parentheses are for reference only" the last sentence;

--- Chapter 2, with the title "Normative References" instead of "reference", and added the introductory phrase; reference file directory with Chinese State Were substitution;

--- Remove the British units and the value of all given in parentheses.

The standard proposed by China Building Materials Federation.

The standard and non-metallic mineral products by the National Standardization Technical Committee (SAC/TC406) centralized.

1 Scope

1.1

standard specifies the test methods gasket material density.

1.2

is the standard in International System of Units (SI) units.

1.3

standard does not address safety issues associated with their use. Responsibility of the user of this standard to consider health and safety issues, and the use of Regulatory limitations prior to determining the scope of application.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 20671.1 Non-metallic gasket materials Classification system and test methods - Part 1. Non-metallic gasket materials classification system ASTM E691 laboratory test to determine the precision of the method of work instructions

3 Summary of Test Method

The die-cut samples were adjusted to measure the thickness, quality and size, then calculated and reported density.

4 Significance and Use

4.1

density is an important characteristic of the gasket material, and is inversely proportional to the volume of the material. Density commonly used in the specification associated therewith Tightness, compressibility, creep relaxation and tensile strength used to describe a grade gasket material.

4.2

is the ratio of the density of mass and volume, the balance and hence the thickness measuring device easily measured. To achieve high accuracy Scales, this method of test samples were adjusted $1h \sim 2d$, but as a method for testing the product will reduce its effectiveness. If used Production monitoring is recommended in strict accordance with the thickness and quality of the measurement method.

5 Interference

Most pads because of damp sample mass increase and causing the material to expand. The right to adjust the sample to be controlled changes in humidity.

6 Test Equipment

With a thickness of 6.1 --- driven by its own weight load measuring device to measure the thickness, the specific requirements of Table 1. The device should be capable of measuring the thickness indication 1%. Indenter diameter should be $6.40\text{mm} \pm 0.13\text{mm}$. Anvil diameter greater than the diameter of the head.

Table 1 applied pressure

Model Material

(The first six digital code base, see GB/T 20671.1) Pressure on the sample /kPa Indenter total pressure (reference) /1,5 or 7 80.3 ± 6.9 2.50 2 or 4 35 ± 6.9 1.11 3 55 ± 6.9 1.75 0 and 9a 55 ± 6.9 1.75 Unless a drawing on other supplementary documents or where otherwise indicated.