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

GB/T 7129-2001

**Rubber or plastics hoses -- Determination of volumetric
expansion**

(English Translation)

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Foreword

This Standard is identical to the international standard ISO 6801:1983 "Rubber or plastics hoses - Determination of volumetric expansion". This Standard is a revision of the national standard GB/T 7129-1986 "Determination of volumetric expansion of rubber hose for automotive hydraulic brake system".

The main differences between this Standard and GB/T 7129-1986:

- CHANGE the standard name to "Rubber or plastics hoses - Determination of volumetric expansion";
- Expand the scope of application of the standard;
- According to the requirements of National Technical Committee 35 on Rubber and Rubber Products of Standardization Administration of China, add a safety statement before the main text;
- In clause 2, add the introduction according to GB/T 1.1.

This Standard, from the date of implementation, replaces GB/T 7129-1986.

This Standard was proposed by State Bureau of Petroleum and Chemical Industry.

This Standard shall be under the jurisdiction of Subcommittee 1 on Hoses,

National Technical Committee 35 on Rubber and Rubber Products of
Standardization Administration of China.

Drafting organization of this Standard: Nanjing No.7425 Factory.

Main drafters of this Standard: Sun Kejian, Wang Liping.

This Standard was first issued on December 30, 1986.

Rubber or plastics hoses - Determination of
volumetric expansion

Warning: Personnel, who use this Standard, shall be familiar with formal
laboratory procedures. This Standard is not intended to involve all safety
problems that may arise from the use of this Standard. It is the user's
responsibility to formulate corresponding safety and health systems and
ensure compliance with national regulations.

0 Introduction

When used for dispensing specific volumes of fluids, the volumetric capacity of
a hose is often required to vary by only small amounts at the dispensing
pressure. This Standard describes a method of checking that such
requirements can be met.

1 Scope

This Standard specifies a method for the determination of the volumetric
expansion of rubber or plastics hoses under hydrostatic pressure.

This Standard does not specify the dimensions of the test piece and the test
pressure(s) as each of which will be specified in the appropriate product
specification.

2 Reference

The following standard contains provisions which, through reference in this
Standard, constitute provisions of this Standard. At the time of publication of
this Standard, the editions indicated are valid. All standards are subject to

revision. The parties who are using this Standard shall explore the possibility of using the latest edition of the following standard.

GB/T 5563-1994 Rubber and plastics hoses and hose assemblies -
Hydrostatic testing.

3.1 See Figure 1 for the test apparatus.

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