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

中华人民共和国国家标准

GB/T 14905-2009/ISO 8033: 2006

Replace GB/T 14905-1994

**Rubber and plastics hoses—Determination of
adhesion between components**

橡胶和塑料软管各层间粘合强度的测定

(ISO 8033: 2006, IDT)

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**Standardization Administration of the People's Republic of
China**

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Foreword

This Standard is identical to ISO 8033: 2006 *Rubber and plastics hoses - Determination of adhesion between components* (English version)

This Standard is identical to translate ISO 8033: 2006.

For using easily this section also do the following editorial changes:

- a) Change the word “the International Standard” to “the Standard”;
- b) Use decimal point “.” instead of commas “,” using as decimal point;
- c) Delete the CONTENTS and FOREWORD of the International Standard.

This standard will replace GB/T 14905-1994 *Rubber and plastics hose —Determination of adhesion between components*.

Comparison with GB/T 14905-1994, main changes of this Standard are as follows:

- Added the determination of adhesion strength between lining and reinforcement, between cover and reinforcement, between reinforcement layers, between cover and outer lamination and between lining and inner lamination (Clause 3, Table 1 and Clause 8 of this Standard);
- Added the sample of “Type 8” (Clause 5 and Table 1 of this Standard);
- Changed the sample adjusting time from “3h” as “16h” (5.4 of this Standard).

This Standard is proposed by China Petroleum and Chemical Industry Association.

This Standard is under the jurisdiction of Flexible Hose Sub-committee of National Technical Committee on Rubber & Products of Standardization Administration of China (SAC/TC 35/SC1).

The responsible drafting organizations of this Standard are Yonggu Single Plant of Hangzhou Zhongce Qingquan Industrial Co., Ltd. Shenyang The Forth Factory Co., Ltd, Pingdingshan Kuangyi Rubber Tube Co., Ltd, Shandong Meichen Vehicle Components Co., Ltd and ISR Shenyang Rubber Products Co., Ltd.

The chief drafting staff of this Standard includes Zhao Lirong, Yu Libo, Liang Xizheng, Song Yanping and Li Yuping.

This Standard replaces the following historical editions issued:

— GB/T 14905-1994.

Rubber and plastics hoses—Determination of adhesion between components

1 Scope

Adequate adhesion between the various components of a hose is essential if it is to perform satisfactorily in service. This International Standard specifies methods for the determination of the adhesion between lining and reinforcement, between cover and reinforcement, between reinforcement layers, between cover and outer lamination (thin layer of material outside the cover for protection) and between lining and inner lamination (thin layer of material inside the lining to reduce permeation of fluid into the lining). It covers all bore sizes and the following types of hose construction:

- woven textile fabric;
- braided textile fabric;
- knitted textile fabric;
- circular-woven textile fabric;
- textile spiral;
- textile cord;
- wire braid;
- wire spiral;
- hoses containing a supporting helix.

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 (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.



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