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

GB/T 15907-2008

Replacing GB/T 15907-1995

Rubber and plastics hoses -- Method of test for flammability

橡胶和塑料软管 可燃性试验方法

(English Translation)

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Foreword

This standard is equivalent to international standards ISO 8030:1995 "Rubber and plastics hoses flammability test method" (in English).

This standard is equivalent translation ISO 8030:1995.

This standard replaces GB/T 15907-1995 "Rubber and plastics hoses combustion test methods." this standard compared with GB/T 15907-1995, the main technical changes are as follows.

- Clear criteria applicable to the diameter of the hose less than 50mm (including 50mm) (Chapter 1 of this edition);
- Clear method of petroleum fuel hoses flammability test (Chapter 1 of this edition);
- Increasing the reference standard reign (Chapter 2 of this edition);
- Flame burn time of sample from the 60s to $60s \pm 1s$ (1995 edition Chapter 5; Chapter 7 of this edition);
- Test report adds that "the test results only illustrate the performance of the test specimens under specific conditions, can not be used in making assessment hose Use in a possible fire hazard "(Chapter 8 of this edition).

Chapter 2 of this standard, the reference of GB/T 2941 identical with ISO 23529:2004, which at the same time instead of ISO 471, ISO 3383, ISO 4661-1, exactly the same technical content; references GB/T 3685-1996 in the alcohol lamp configuration, check and adjust the ISO 340. 1988 technical content consistent.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Rubber and rubber products hose Standardization Technical Committee Technical Committee (SAC/TC35/SC1) centralized.

This standard was drafted. Rubber Group in Shenyang Rubber Research Institute.

1 Scope

This standard specifies the method for assessing flammability hose, the hose does not include oil intended for use in an internal combustion engine fuel. This method is limited to public He said inner diameter of the hose less than 50mm (including 50mm) of.

Note 1: The user can see the applicable specifications regarding fire hose/afterglow requirements.

Note 2: petroleum fuel hose in the flammability test method GB/T 20024-2005 "flammability test method for an internal combustion engine with rubber and plastic hose" in Given.

2 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 2941 rubber physical test method for preparing and conditioning General Procedure (GB/T 2941-2006, ISO 23529:2004, IDT) GB/T 3685-1996 conveyor alcohol burner combustion performance specifications and test methods (eqv ISO 340. 1988)

3 General

This standard specifies the test is a small-scale laboratory tests, which noted that the results obtained are only a guide, and can not be predicted in Flame performance. In short, it is a screening test or quality control, it has been used to assess particularly suitable hose Underground Versatility.

It should be noted the need to ensure the test specified in this standard under appropriate environmental conditions and adequate protection of personnel. so as not to Fire and smoke and toxic combustion by inhalation hazards.

4 Test Equipment

4.1

non-ventilated chamber, the inner surface is dark, the top of a smoke outlet, there is a manipulation of light with holes and flap, as well as with a suitable when the sliding door of a transparent material to observe plate. Chamber configuration and approximate dimensions shown in Figure 1.

4.2

alcohol lamp, according to GB/T 3685-1996 Appendix B to configure and check.

4.3

bracket for supporting a sample in a horizontal state above the lamp (see Figure 2).

4.4

Stopwatch.

GB/T 15907-2008/ISO 8030:1995