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

GB/T 36878-2018

Determination of tear resistance for sealant

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafting method to modify the ISO 19863.2016 "Determination of the tear strength of building and civil engineering sealants".

This standard has some structural adjustments compared to ISO 1863.2016. This standard and ISO 19863.2016 are listed in Appendix A.

The chapter number is compared to the list.

The technical differences and reasons for this standard and ISO 19863.2016 are as follows.

---About the normative reference documents, this standard has made technical adjustments to adapt to China's technical conditions, adjustments

The situation is reflected in Chapter 2, "Regulatory References", and the specific adjustments are as follows.

* Removed ISO 6927;

* Added GB/T 529-2008;

* Added GB/T 2943;

* Added GB/T 13477.1;

* Added HG/T 3947-2007;

--- Added Chapter 4 classification;

--- Added the method for determining the tear strength of the sealant body in Chapter 5 to

adapt to the actual application situation in China;

--- Added the determination method of the tear strength of the sealant of the structure sealant in Chapter 7 to adapt to the actual application situation in China.

This standard has made the following editorial changes.

--- Modified the standard name.

This standard was proposed by the China Petroleum and Chemical Industry Federation.

This standard is under the jurisdiction of the National Adhesive Standardization Technical Committee (SAC/TC185).

This standard was drafted. Shanghai Rubber Products Research Institute Co., Ltd., Guangzhou Baiyun Chemical Industry Co., Ltd., Chengdu Silicon Bao Technology Co., Ltd.

Co., Ltd., Beijing Tianshan New Material Technology Co., Ltd., Jiangsu Hesonglin Adhesive Factory Co., Ltd.

1 Scope

This standard specifies the method for determining the tear strength of sealants.

This standard applies to the characterization and determination of the tear strength of sealant.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 529-2008 Determination of tear strength of vulcanized rubber or thermoplastic rubber (pants, right angles and crescents) (ISO 34-1.

2004, MOD)

GB/T 2943 Adhesive Terminology

GB/T 13477.1 Test methods for building sealing materials - Part 1. Specification for test substrates (GB/T 13477.1-2002,

ISO 13640.1999, MOD)

HG/T 3947-2007 One-component room temperature vulcanized silicone adhesive/sealant

3 Terms and definitions

The terms and definitions defined in GB/T 2943 apply to this document.

4 classification

There are three types of sealant tear strength.

- Method 1. Determination of the tear strength of the sealant body;
- Method 2. Determination of the tear strength of general sealant adhesives;
- Method 3. Determination of the tear strength of structural sealant bonds.

5.1 Sample preparation

The test piece shall be prepared in accordance with the provisions of Appendix A of HG/T 3947-2007, and shall be cut according to the method B of GB/T 529-2008.

Cut the right angle sample.

5.2 Testing

According to the method specified in GB/T 529-2008.

5.3 Test report

Same as the provisions of GB/T 529-2008.