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

GB/T 14484-2008

Replacing GB/T 14484-1993

Plastics -- Determination of bearing strength

塑料 承载强度的测定

(English Translation)

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Foreword

This standard is equivalent to using ASTM D953:2002 (English Version) "plastic bearing strength test methods", were part of the editorial changes and He removed the imperial units, identical in technical content.

This standard replaces GB/T 14484-1993 "plastic bearing strength test method", compared with the GB/T 14484-1993 Main within Yung changes as follows.

- a) the standard name changed from "" plastic bearing strength test method "" to "" determine the strength of the plastic carrier "";
- b) an increase of Contents Preface;
- c) increase the "meaning and use 4";
- d) increasing the compression load and tensile load schematic;
- e) improve the accuracy of the sample size;

f) increased accuracy.

Appendix A of this standard is a normative appendix, Appendix B is an informative annex.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Standardization Technical Committee of plastic (SAC/TC51) centralized.

Drafting of this standard. National Quality Supervision and Inspection Center of synthetic resin.

Participated in the drafting of this standard. National Plastic Products Quality Inspection Center (Beijing) Shenzhen Sans Materials Testing Limited, Sinopec North Academy of National Chemical Building Materials Testing Center (Materials Testing Division), Guangzhou Blonde Technology Co., Ltd.

1 Scope

1.1

standard specifies the method for determination of rigid plastic sheet or molded plastic bearing strength. A suitable stretching method wherein the mode by B applies to compression mode.

1.2

Test method available data related to design and engineering, may be suitably used in engineering design.

1.3

This standard does not involve the use of all safety-related issues, responsibility of the user prior to use to develop appropriate safety and health measures Facilities, and ensure compliance with the relevant regulations.

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 2918-1998 standard plastic sample conditioning and environmental tests (idt ISO 291:1997) ASTM D883 plastics-related terminology ASTM D4000 plastic material classification system ASTM D4066 injection and extrusion grade nylon grade classification system ASTM D4805 plastic standard terminology Implementation ASTM E4 load test

machine calibration Related Terms ASTM E6 mechanical performance test

3 Terms and Definitions

And the following terms and definitions established ASTM D883 and ASTM D4805 apply to this standard.

Thickness of the sample specimen bearing bore diameter multiplied.

The applied load divided by the area of the bearing, the load in Newtons (the N), to an area of square millimeters (mm²) as a unit.

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Bearing bore bearing stress deformation of 4% when aperture.

In the main stress direction of the sample, the sample carrier from the hole center distance and the aperture ratio of the sample to the edge.

The maximum load bearing area divided by the sample under load in Newtons (N) units.