

ICS 59.080.70
CCS W 59



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

GB/T 14800-2010

Replacing GB/T 14800-1993

Geosynthetics -- Static puncture test (CBR test)

土工合成材料 静态顶破试验 (CBR法)

(English Translation)

Issued on: January 10, 2011

Implemented on: June 1, 2011

Issued by: Standardization Administration of China

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and Definitions

Foreword

This standard uses the re-translation method identical with ISO 12236:2006 "Geosynthetics static bursting test (CBR method)" (in English Version). This standard and ISO 12236:2006 the following editorial changes.

--- Normative references, reference is made to international standards corresponding to our standards, ISO 554 test standard atmosphere by the equivalent Adoption of ISO 139 GB/T 6529 in place;

--- Delete directories and foreword;

--- Chapter 6 on the sample size increased injection;

--- Deleted Figures 2, 4a) and 4b) NOTE content.

This standard replaces GB/T 14800-1993 "geotextile bursting strength test method." This standard and GB/T 14800-1993 Main the following differences.

--- Standard name changed to "Geosynthetics static bursting test (CBR method)";

--- Scope added sample requirement that the pore size of not more than 10mm of material;

--- Deleted the term "modification ratio";

--- Rate of movement from the top bar (60 ± 5) mm/min to (50 ± 5) mm/min;

--- Remove the top strut predetermined height of 100mm;

--- Remove the clamping device shall be greater than the specified base height of 100mm;

--- Add "pre-tension of 20N, start recording displacement";

--- Remove Appendix A.

The standard proposed by China Textile Industry Association.

This standard by the National Standardization Technical Committee based textile branch (SAC/TC209/SC1) centralized.

This standard by the Shaoxing Textile Institute Jiangnan Branch Co., Textile Standard (Beijing) Co., Ltd. is responsible for drafting Inspection and Certification Center.

1 Scope

This standard specifies the blunt end top bar measuring geosynthetics bursting strength of Methods.

This method is usually prescribed in the standard atmosphere on the sample after the humidity was.

This standard applies to all types of geosynthetics, but not material for the pore size greater than 10mm.

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 6529 Textiles conditioning and testing using standard atmosphere (GB/T 6529-2008, ISO 139:2005, MOD) GB/T 13760 Geosynthetics sampling and sample preparation (GB/T 13760-2009, ISO 9862:2005, IDT) GB/T 14798 Geosynthetics site identification (GB 14798-2008, ISO 10320:1999, IDT) Inspection and correction tension and (or) pressure testing machine force measuring system. GB/T 16825.1 of static uniaxial testing machines - Part 1 Associate (GB/T 16825.1-2008, ISO 7500-1:2004, MOD)

3 Terms and Definitions

The following terms and definitions apply to this standard.

Top pressure plungerforce Top bar at a constant rate of displacement until the specimen top pressure when the measured force to penetrate the sample shown in Figure 1.

Note: The top pressure in kN (kN) indicates.

Bursting strength push-throughforce F_p Every single maximum top pressure test recorded, shown in Figure 1.

NOTE: bursting strength expressed as kN (kN).

Displacement Since the beginning of the pre-tension 20N, top bar distance traveled, see Figure 1.

NOTE: The shifts are expressed in millimeters (mm).

Bursting displacement push-through displacement h_p Top of displacement when breaking strength F_p , see Figure 1.

NOTE: Bursting displacement in millimeters (mm) Fig.