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

GB/T 4925-2026

Replacing GB/T 4925-2008

**Fishing nets - Determination of the strength and breaking
elongation of netting**

渔网 网片强力与断裂伸长率试验方法

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document supersedes GB/T 4925-2008 "Test Methods for Strength and Elongation at Break of Synthetic Fiber Fishing Nets", and is consistent with GB/T 4925- Compared to.2008, aside from structural adjustments and editorial changes, the main technical changes are as follows:

---Added a test method for the bursting strength of wire mesh (see 4.1, 5.1, 6.1, 7.1);

---The test conditions have been changed (see Chapter 4, Chapter 5 in the.2008 edition);

---The instruments and equipment have been changed (see Chapter 5, Chapter 4 of the.2008 edition);

---A sample selection method has been added (see 6.2.1);

---Sampling and specimen requirements have been changed (see 6.2.3, Chapter 6 of the.2008 edition);

---Sampling and sample requirements for mesh sheets under wear and other conditions have been added (see 6.2.3);

---The breaking strength and elongation at break of twisted and flat woven wire mesh have been removed (see section

7.2 of the.2008 edition);

---The experimental data processing has been changed (see Chapter 8, Chapter 8 of the.2008 edition). Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the Ministry of Agriculture and Rural Affairs of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Fisheries Standardization (SAC/TC156). This document was drafted by: East China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences; Zhongyun

Marine Equipment (Jiangsu) Co., Ltd.; and Zhongyun. Anchor Chain (Jiangsu) Co., Ltd., Shanghai Ocean University, Shandong Nanshan Zhishang Technology Co., Ltd., Nantong Zhongyu Fishing Tackle Co., Ltd., Huizhou City Yichen Network Technology Co., Ltd., Shandong Laiwei New Materials Co., Ltd., Yangzhou Xinglun Rope & Cable Co., Ltd., and Shenzhen Enpuda Industrial System Co., Ltd. Limited Liability Company, Qingdao Xinglun Marine Technology Co., Ltd., and Yangzhou Ruikeman Rope Industry Co., Ltd. The main drafters of this document are. Shi Jiangao, Cao Yiru, Zhao Shaode, Zhang Jian, Yin Xiaoji, Li Maoju, Wei Ping, Cao Chenrui, Xu Libing, and Yuan Quan. Yang Changwu, Li Juling, and Cao Wenying. The release history of this document and the document it replaces is as follows:

---First published in 1985 as GB/T 4925-1995, and revised for the first time in.2008;

---This is the second revision. Test methods for strength and elongation at break of fishing nets

1 Scope

GB/T 4925-2026 is the Chinese national standard covering how the strength of netting is measured - the mesh and knot configuration in the clamps, the rate of pull, and the breaking load and elongation of a material whose knots fail before its twine does. It replaces GB/T 4925-2008. It was issued on 27 February 2026 and has been in force since 1 September 2026, replacing GB/T 4925-2008. The document is under the responsibility of the Ministry of Agriculture and Rural Affairs. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document describes the test conditions, equipment, samples, test procedures, data processing, and testing methods for the strength and elongation at break of fishing nets. Inspection report. This document applies to the testing of the strength and elongation at break of fishing nets. For testing other types of fishing nets, please refer to the relevant documentation. implement.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 6529 Standard Atmosphere for Conditioning and Testing of Textiles

GB/T 6965 Basic Conditions for Testing Fishing Gear Materials - Pre-tension

GB/T 19976-2005 Determination of bursting strength of textiles - Steel ball method

GB/T 21196.2 Textiles - Martindale Method - Determination of Abrasion Resistance of Fabrics - Part

2.Determination of Specimen Breakage SC/T 4039-2018 Test methods for synthetic fiber fishing net lines SC/T 5001 Basic Terminology of Fishing Gear Materials

3 Terms and Definitions

The terms and definitions defined in SC/T 5001 and the following terms and definitions apply to this document.

3.1 Netting strength The strength of the mesh.

Note. The strength of the wire mesh can be expressed by methods such as wire mesh breaking strength, wire mesh tearing strength, or wire mesh bursting strength. [Source: SC/T 5001-2014, 2.34.15, with modifications]

3.2 The breaking strength of a rectangular mesh specimen of specified dimensions.

Note. Units are expressed in N or daN. [Source: SC/T 5001-2014, 2.34.15.2, with modifications]

3.3 The force required to continuously tear several knots on a mesh sample under specified conditions.

Note. Units are expressed in N or daN. [Source: SC/T 5001-2014, 2.34.15.3, with modifications]