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

GB/T 33157-2016

**Thermal insulating products for building applications --
Determination of tensile strength parallel to faces**

建筑用绝热制品 与面平行拉伸强度的测定

(English Translation)

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Foreword

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

This standard uses the translation method equivalent to ISO 29766.:2008 "Building insulation products with the parallel tensile strength of the determination." this standard is proposed by the China Building Materials Federation.

This standard is nationalized by the National Standardization Technical Committee for Thermal Insulation (SAC/TC191).

The drafting unit. Nanjing Glass Fiber Research and Design Institute Co., Ltd., Shenzhen Jintai Detection Technology Co., Ltd., the national glass fiber Dimensional product quality supervision and inspection center.

1 Scope

This standard specifies the equipment and steps for measuring the parallel tensile strength of the article. This standard applies to insulating products.

This standard can be used to determine whether the article has sufficient strength to withstand the stress during transport and application.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

ISO 5725-1.:1994 Accuracy of measurement methods and results (accuracy and precision)
- Part 1. General principles and definitions [Accuracy (trueness and precision)
of measurement methods and results-Part 1. General principles and definitions] ISO

5725-2.:1994 Accuracy of measurement methods and results (accuracy and precision) - Part 2. Determination of standard measurement methods Reproducibility and reproducibility of the basic method [Accuracy (trueness and precision) of measurement methods and results-Part 2. Basic method for the determination of repeatability and reproducibility of a standard measurement method ISO 29466 Thermal insulation for building insulation (Thermal insulating products for building applications-Determination of thickness ISO 29768 Thermal insulation for building insulation products - Determination of linear dimensions (Thermal insulating products for building applications-Determination of linear dimensions of test specimens)

3 Terms and definitions

The following terms and definitions apply to this document.

Parallel tensile strength tensile strength parallel to faces σ at the maximum tensile load recorded along the surface during the test is divided by the cross-sectional area of the specimen.

4 Principle

The fixture is attached to the test machine and the specimen is then mounted and subjected to a tensile test at a constant rate until it is broken.

Record the maximum tensile load and calculate the tensile strength.

5 Instruments

Any test equipment that ensures that the same accuracy test results are obtained.