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

GB/T 7689.3-2013

Replacing GB/T 7689.3-2001

**Reinforcements -- Test method for woven fabrics -- Part 3:
Determination of width and length**

增强材料 机织物试验方法 第3部分：宽度和长度的测定

(English Translation)

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Foreword

GB/T 7689 "Test method for woven fabrics reinforced" is divided into five sections.

- Part 1. Determination of thickness;
- Part 2. warp, weft density measurement;
- Part 3. Determination of width and length;
- Part 4. Determination of bending stiffness;
- Part 5. Determination of breaking glass fiber tensile strength and elongation.

This section GB/T 37689 Part of.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 7689.3-2001 "Reinforcements method for woven fabrics - Part 3. Determination of width and length", and GB/T 7689.3-2001 main differences are as follows.

- Remove the "reference standards" chapter (see the 2001 edition of Chapter 2);
- Added "width" is defined (see 3.1);
- Increase "tension on the length of the measurement results," the description (see 4.2);
- Added "precision" chapter (see Chapter 8).

This section uses redrafted law revision using ISO 5025:1997 "enhancement products - Determination of width and length of the woven fabric." this part of ISO 5025:1997 and the technical differences for the following reasons.

--- Due to ISO 1886 has been abolished, so delete the batch sampling on the form and number of provisions, chapter title was changed to "test the humidity and the like "(Chapter 5, ISO 5025:1997 Chapter 5);

This part made the following editorial changes.

--- Consistent with the existing standard series, the standard name will be changed to "Reinforcements method for woven fabrics - Part 3. Width and length Determination of "degrees.

This part of the National Standardization Technical Committee fiberglass (SAC/TC245) centralized.

This section is responsible for drafting. Nanjing Fiberglass Research and Design Institute Limited, the national glass fiber product quality supervision and inspection center.

1 Scope

This section provides an enhanced method for measuring the width and length of the woven fabric fibers.

This method is applicable to roll form the reinforcing fiber woven fabric.

Principle 2

Measure the width and length, width or other suitable scale with a measuring instrument in centimeters (cm) in units of length in meters (m) as a unit.

3 Terms and Definitions

The following terms and definitions apply to this document.

Width width

Two outermost vertical distance between the outer edge of the warp yarns.

4.1 Measuring instruments (eg ruler)

Length should be greater than the width of the fabric tested, scale in mm.

The width of the woven fabric is less than or equal to 150cm, the maximum error of measurement scale should not exceed 0.1cm; woven fabric is greater than 150cm, the measured the amount of error should not exceed 0.15% of the total length.

4.2 Measuring device

The measuring device can meet the maximum error is less than 1% of the measured length. For measuring devices used online should make the fabric flat Entire, continuous operation without slip.

According to the length of the package on the counter with a ruler or dial it is acceptable.

Roll of fabric tension can affect the length of the fabric of the measurement results, calibration of measuring equipment should consider the effect of the tension in the fabric product specifications the stated.

5 Samples and the humidity

Take a roll of woven fabrics as a sample. Without the humidity treatment.

6.1 Width

Measuring instruments for measuring the width of the fabric (4.1) along the longitudinal direction of the woven fabric at least twice 100cm interval measurement, averaged,