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**TEXTILE INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

FZ/T 01004-2008

Replacing FZ/T 01004-1991

**Coated fabrics. Determination of resistance to penetration by
water**

涂层织物 抗渗水性的测定 清晰版

(English Translation)

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Foreword

This revised standard adopts ISO 1420:2001 "Rubber or plastic coated fabrics - Determination of resistance to water." this standard is based on ISO 1420:2001 re-drafting, and ISO 1420:2001 The main differences are as follows.

1. Normative documents of international standards to replace national standards;
2. Deleted range described specimen shape, increasing the terms "may refer to other waterproof fabric execution ';
3. Increasing the test results or not explain;
4. Increasing the final determination of hydrostatic values (6.4) and the representation of the results.

Instead of the standard FZ/T 01004-1991 "Standard Test Method for Coated Fabrics resistance to water (hydrostatic pressure test)." this standard FZ/T 01004-1991 made the following modifications.

1. Increase the normative references;
2. Test Method consists of four into a unified;
3. The elimination of the low and high pressure test equipment instrument, to a general-purpose test equipment;
4. Increasing the specimen shape and size requirements;
5. Abolition of the "standard atmosphere" and "water" chapters, the humidity and atmospheric testing standards do not make specific provisions, the humidity will be time to

at least 16h;

6. Revised test procedure;

7. Added "Test results" chapter.

The standard proposed by China Textile Industry Association.

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

1 Scope

This standard specifies the method within a fixed period of time applying hydrostatic pressure on coated fabrics, coated fabrics Determination of resistance to water.

This standard applies to coated fabrics, other waterproof fabric can be implemented by reference.

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 6529 textiles conditioning and testing - Standard atmospheres Principle 3 Under specified conditions, the test sample coated fabric side by the rising water pressure, until the pressure reaches a predetermined value. In Regulation Given time to see if there is penetration occurred or continue pressing until penetration occurs.

4.1 Summary

Instrument consists of an open container with a specimen holder device components. Bottom of the container has an inlet, and filled with room temperature water inlet pipe Connected. Above there is a specimen sample to prevent deformation, cracking metal mesh, metal mesh aperture periphery grow up to 30mm, the straight Made of 1.0mm ~ 1.2mm diameter wire.

4.2 Range and Accuracy

You can use a pressure gauge or manometer measuring hydrostatic pressure.

Pressure gauge. connected to the test head, the water pressure up to 19.6kPa (200cm water column) with an accuracy of $\pm 1\%$.

Pressure gauge. maximum range of at least 100kPa (1020cm water column).

4.3 Test Area

Caught in the open container of sample test area of 100cm², that is, as the sample is a square side length 100mm, the diameter of the circular 113mm. When necessary, in order to reduce the extent of damage to the sample holder and facilitate the testing, it may be a soft rubber gasket placed in the sample holder and Between devices. Washer hardness of about 40IRHD (international rubber hardness) and a thickness of 5 mm, a diameter of 10 mm. You can also use the density 0.045g/cm³ ~ 0.055g/cm³, a thickness of 10mm cross-linked polyethylene foam gasket.

5.1 Sampling

The samples shall be taken without any defects affect the test results.

5.2 Number of

Unless otherwise specified, each sample was tested five samples.

5.3 The shape and size

5.3.1 Sample Square

Each side of the square sample length of about 200mm.