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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 17492-2019

Industrial woven wire cloth - Technical requirements and tests

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Foreword

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

This standard replaces GB/T 17492-2012 "Technical Requirements and Inspection of Industrial Wire Woven Mesh". With GB/T 17492-

Compared with.2012, the main technical content changes are as follows.

--- Revised the terms and definitions, deleted the original definitions of "3.6 unit length net holes" "3.11 net block" and "3.12 net bar";

--- Revised the technical requirements for mesh size tolerance in 4.2, and improved the average size limit deviation of austenitic stainless steel wire mesh

Difference and mesh size limit deviation technical requirements, see formula (1) and formula (5); reduce the average size limit of other wire braided mesh

Deviation and mesh size limit deviation Technical requirements, see formulas (2) and (6); change the number of large holes in the mesh to check the size of the mesh

Standard deviation

--- Modified the "4.3 Allowable Number of Major Defects" to improve the technical requirements for major defects, see Table 2;

--- Amended the title of 4.5, and changed the "flatness of wire mesh" to "flatness";

--- Modified the title of 4.6 and changed the "surface state" to "appearance";

--- 4.6 added "the processing traces may appear on the surface of the woven wire mesh";

--- Deleted the original "General Requirements" and "Testing Devices" in Chapter 5;

--- Modified the content of the item 5.1d), changed "using optical projection method" to "measurement by optical projection method or scanning method";

--- Modified 5.2.1.3, added the item e) "The warp and weft directions are randomly measured with no less than 20 mesh sizes";

--- Add "6.1 Certificate of Conformity";

--- Amended the "7 Ordering Information" regulations, changed "a) quality requirements" to "a) required quantity";

--- Amended the "8 Delivery" regulations, changed "the length of the roll can have a tolerance of 10%" in 8.1.1 to "the length of the net roll can be no more than

After a deviation of +/- 10% ", change 8.1.2" A roll of wire braided net can consist of up to three rolls of scattered nets "to" a roll of wire braid

Weaving nets can consist of a maximum of two segments, "as changed in 8.1.3, but it can exceed 2%. Should measure total width "but" cannot

Over 2%. The width of the entire roll should be measured ", and changed the" total length or net block size and quality "in 8.1.4 to" overall dimensions

And the number of net blocks ";

--- Amended the informative appendix A, deleted "A.9 latitude parallel sparse road" and "A.10 Kushiro";

--- Added informative appendix B;

--- Added informative Appendix C.

This standard uses the redrafting method to modify and adopt ISO 9044..2016 "Technical Requirements and Inspection of Industrial Wire Woven Mesh".

There are technical differences between this standard and ISO 9044..2016.The provisions related to these differences have passed the

Vertical single lines (|) are marked. The technical differences and their causes are as follows.

--- Added "filtering" to the scope of Chapter 1 (see Chapter 1);

--- Regarding the normative reference documents, this standard has made adjustments with technical differences to suit China's technical conditions and the situation of adjustment.

The situation is reflected in Chapter 2 "Regulatory Reference Documents", and the specific adjustments are as follows.

* Replace ISO 4783-1. 1989 with GB/T 5330.1-2012, which adopted the international standard;

* Replace ISO 2194..1991 with GB/T 10611-2003 which adopts international standards;

* Replaced ISO 4783-2. 1989 with GB/T 19628.2 which adopted the international standard;

* Non-equivalent use of international standards JB/T 7860-2000 instead of ISO 4782;

--- Modify the data in Table 1 and change the 40th column (7) column "43" to "40", and the 32m row (4) column "35" to "32" and (7) column

"39" is "32" (see 4.2.1);

--- Modified the number of network segments (see 8.1.2).

This standard also makes the following editorial changes.

--- Delete references.

This standard is proposed and managed by the National Particle Characterization and Classification Inspection and Screen Standardization Technical Committee (SAC/TC168).

This standard was drafted. Hebei Inkamo Metal Mesh Co., Ltd., Fujian Qianglun New Materials Co., Ltd., Xinxiang Bashan Aviation Material

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Products Co., Ltd., Hebei Wire Mesh Product Quality Supervision and Inspection Center, Wuhu Dingheng Material Technology Co., Ltd., Yingkaimo Metal Mesh Co., Ltd.,

Texas Fullland Filter Co., Ltd.

1 Scope

This standard specifies the terms and definitions, technical requirements, inspection methods, and quality documents for industrial wire woven meshes used for screening and filtration.

Items, ordering information, and shipping.

This standard applies to industrial wire woven square hole mesh made of steel, stainless steel or non-ferrous metals.

This standard does not apply to wire-plated wire mesh, pre-bent wire-woven mesh, and wire-welded mesh after weaving.

Wire woven mesh for screening and filtering purposes can refer to the use of this standard. When ordering, the supply and demand sides negotiate to determine specific technical requirements.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 5330.1 Industrial Wire Mesh and Wire Woven Mesh Selection Guide for Combination of Mesh Size and Wire Diameter Part 1

Part. General (GB/T 5330.1-2012, ISO 4783-1. 1989, MOD)

GB/T 10611 Industrial marking method and mesh size series (GB/T 10611-2003, ISO 2194..1991, MOD)

GB/T 19628.2-2005 Industrial Wire Mesh and Wire Woven Mesh Selection Guide for Combination of Mesh Size and Wire Diameter

Selection of preferred combinations of wire meshes (ISO 4783-2. 1989, MOD)

JB/T 7860-2000 Industrial wire

3 terms and definitions

The following terms and definitions apply to this document.

3.1

Mesh size aperturewidth

The distance between adjacent warp or weft threads.

Note. Measure in the middle of the projection plane mesh, see Figure 1.