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

FZ/T 15002-2020

Replacing FZ/T 15002-2011

Polyacrylic acid filler for textile warp sizing

纺织经纱上浆用聚丙烯酸类浆料

(English Translation)

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Foreword

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

This standard replaces FZ/T 15002-2011 "Polyacrylic sizing agent for textile sizing".

Compared with FZ/T 15002-2011, the main technical changes are as follows.

---The standard name is adjusted to "polyacrylic sizing agent for textile warp sizing";

---Adjusted the terms and definitions from 3.2 to 3.6;

---Adjusted the rating method, the rating is divided into qualified products and unqualified products;

---The assessment indicators are combined with the requirements of the original first-class products and qualified products. Among them, the deviation rate of the slurry film water absorption rate and the deviation of alkali solubility are adjusted to plus or minus Deviation (see Table 1);

---The original standard Appendix B is adjusted to Appendix D, and the original standard Appendix C and Appendix D are adjusted to Appendix B and Appendix C.

This standard was proposed by the China National Textile and Apparel Council.

This standard is under the jurisdiction of the Cotton Textile Subcommittee of the National Textile Standardization Technical Committee (SAC/TC209/SC10).

Drafting organizations of this standard. Shanghai Xinqili Auxiliary Technology Co., Ltd., Henan Xinye Textile Co., Ltd., Hubei Jiate New Materials Co., Ltd.

Co., Ltd., Hubei Dingxin Environmental Biomass Material Co., Ltd., Yixing Junda Pulp Technology Co., Ltd., China Cotton Textile Industry Association, Shanghai Municipal Textile Industry Technical Supervision Office.

1 Scope

This standard specifies the terms and definitions, classification and classification of polyacrylic sizing agent for sizing textile warp yarns (hereinafter referred to as polyacrylic acid sizing agent).

Marking, technical requirements, test methods, inspection rules, signs, packaging, transportation and storage.

This standard applies to polyacrylic acid sizing agents used for sizing textile warp yarns.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 5009.1 General Principles of Physical and Chemical Part of Food Hygiene Inspection Methods GB/T 8170 Numerical rounding rules and the expression and determination of limit values GB/T 19466.2 Plastic Differential Scanning Calorimetry (DSC) Part 2: Determination of Glass Transition Temperature FZ/T 10014 Test method of polyacrylic acid sizing agent for textile sizing. Determination of pH value FZ/T 10015 Test method of polyacrylic acid sizing agent for textile sizing. Determination of glass transition temperature. Differential scanning calorimetry (DSC) FZ/T 10016 Test method of polyacrylic acid sizing agent for textile sizing. Determination of non-volatile content FZ/T 10017 Test method of polyacrylic acid sizing agent for textile sizing. Determination of residual monomer content FZ/T 10018 Test method of polyacrylic acid sizing agent for textile sizing. Determination of alkali solubility of sizing film FZ/T 10019 Test method for polyacrylic acid sizing agent for textile sizing. Determination of water absorption rate of sizing film FZ/T 10020 Test method of polyacrylic acid sizing agent for textile sizing. Determination of viscosity

3 Terms and definitions

The following terms and definitions defined in GB/T 19466.2 apply to this document.

Polyacrylicsizes

Homopolymers, copolymers and their blends prepared with acrylics as the main monomer are collectively referred to as polyacrylic slurries.

Non-volatile substance the residue after the slurry is dried to a constant amount at the specified temperature.

Viscosity

The fluid resistance of the slurry.

Residual monomer

The remaining monomers in the slurry that did not participate in the polymerization reaction.