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Replacing GB/T 24320-2009

Recycled Fiber Pulp

回用纤维浆

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Foreword

This Document was drafted as per the rules specified in GB/T 1.1-2020 *Directives for Standardization – Part 1: Rules for the Structure and Drafting of Standardizing Documents*.

This Document replaced GB/T 24320-2009 *Recycled Fiber Pulp*. Compared with GB/T 24320-2009, the major technical changes of this Document are as follows besides the structural adjustments and editorial modifications:

- a) Change the scope (see Clause 1 of this Edition; Clause 1 of the 2009 Edition);
- b) Change the English equivalent and definition of the term "recycled fiber pulp" (see 3.1 of this Edition; 3.1 of the 2009 Edition);
- c) Change the expressions and the corresponding English equivalents of the terms "non-deinked recycled fiber pulp" and "deinked recycled fiber pulp" (see 3.2 and 3.3 of this Edition; 3.2 and 3.3 of the 2009 Edition);
- d) Change the expressions, English equivalents and definitions of the terms "deinked and unbleached recycled fiber pulp" and "deinked and bleached recycled fiber pulp" (see 3.4 and 3.5 of this Edition; 3.4 and 3.5 of the 2009 Edition);
- e) Change the product classification (see Clause 4 of this Edition; Clause 4 of the 2009 Edition);
- f) Change "brightness" to "D65 brightness" and change the specified value (see Table 1 of this Edition; Table 1 of the 2009 Edition);
- g) Delete the "delivery moisture" indicator (see Table 1 of the 2009 Edition);
- h) Add the heavy metal content requirements for recycled fiber pulp used in the production of household paper such as toilet paper, tissue, toilet seat cover and cultural paper for babies and children (see 5.2 of this Edition);
- i) Change the test method of the "dustiness" index (see 6.3 of this Edition; 6.6 of the 2009 Edition).

Please note some contents of this Document may involve patents. The issuing agency of this Document shall not assume the responsibility to identify these patents.

This Document was proposed by China National Light Industry Council.

This Document shall be under the jurisdiction of National Technical Committee on Paper-Making Industry of Standardization Administration of China (SAC/TC 141).

Drafting organizations of this Document: Sinolight Paper Inspection & Certification Co., Ltd.;

Recycled Fiber Pulp

1 Scope

This Document specifies the product classification, technical requirements, test methods, inspection rules, marking, packaging, transportation and storage of recycled fiber pulp.

This Document is applicable to all kinds of recycled fiber pulp.

This Document does not apply to recycled pulp.

2 Normative References

The provisions in following documents become the essential provisions of this Document through reference in this Document. For the dated documents, only the versions with the dates indicated are applicable to this Document; for the undated documents, only the latest version (including all the amendments) is applicable to this Document.

GB/T 740 Pulps - Sampling for testing

GB/T 742 Fibrous raw material, pulp, paper and board - Determination of residue (ash) on ignition at 575 °C and 900 °C

GB/T 1541 Paper and board - Determination of dirt

GB/T 2828.1 Sampling procedures for inspection by attribute - Part1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

GB/T 7974 Paper, board and pulps - Measurement of diffuse blue reflectance factor - D65 brightness (Diff/ Geometry, Outdoor daylight conditions)

GB/T 10739 Paper, board and pulps - Standard atmosphere for conditioning and testing

GB/T 20216 Pulp and paper - Determination of the effective residual ink concentration (ERIC number) - Infrared reflectance measurement

GB/T 21557 Waste paper - Estimation of stickies

GB/T 24323 Pulps - Laboratory sheets - Determination of physical properties

GB/T 24324 Pulps - Preparation of laboratory sheets for physical testing - Conventional

sheet-former method

GB/T 24327 Pulps - Laboratory wet disintegration - Disintegration of chemical pulps

GB/T 24991 Paper, board and pulps - Determination of lead content - Graphite furnace atomic absorption spectrometry method

GB/T 24992 Paper, board and pulps - Determination of arsenic

GB/T 29285 Pulps - Laboratory wet disintegration - Disintegration of mechanical pulps

3 Terms and Definitions

For the purposes of this Document, the following terms and definitions apply.

3.1 Recycled fiber pulp

After the waste paper is processed in the process of crushing, purification, screening, washing, heat dispersion and other processes in the pulping process, the pulp with degree of purification can meet the requirements for machine paper making.

3.2 Non-deinked recycled fiber pulp

The recycled fiber pulp without de-inking and bleaching treatment.

3.3 Deinked recycled fiber pulp

The recycled fiber pulp obtained by removing the ink on the waste paper by using a combination of mechanical and chemical treatment methods.

3.4 Deinked and unbleached recycled fiber pulp

The deinked recycled fiber pulp without bleaching treatment.

3.5 Deinked and bleached recycled fiber pulp

The deinked recycled fiber pulp with bleaching treatment.

4 Product Classification

4.1 Recycled fiber pulp is divided into non-deinked recycled fiber pulp and deinked recycled fiber pulp.

4.2 Non-deinked recycled fiber pulp is divided into Type-I non-deinked recycled fiber pulp and Type-II non-deinked recycled fiber pulp. Among them, Type-I non-deinked recycled fiber pulp

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