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

GB/T 21557-2008

Waste paper -- Estimation of stickies

废纸中胶粘物的测定

(English Translation)

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Foreword

This standard visual method to modify the use of ISO 15360-1:2000 "estimates adhesive material recycled pulp and plastic materials - Part 1.

Visual Inspection Law ", to modify the image analysis using the ISO 15360-2:2001" estimate recycled pulp plastic adhesive material and the second material Parts. image analysis. " this standard and ISO 15360-1:2000 and ISO 15360-2:2001 technical differences and their causes, see Appendix B, and this standard ISO 15360-1:2000 and ISO 15360-2:2001 Number of control clauses in Appendix C.

Appendix A of this standard is a normative appendix, Appendix B, Appendix C is informative appendix.

The standard proposed by China National Light Industry Council.

The standard paper by the National Standardization Technical Committee (SAC/TC141) centralized.

The standard by the China Pulp and Paper Research Institute is responsible for drafting.

1 Scope

This standard specifies the paper Stickies two methods. visual observation and image analysis. Two methods of image analysis method is a secondary Cut method.

This standard applies to paper.

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/T 740 pulp samples taken (GB/T 740-2003, ISO 7213. 1981, IDT) GB/T 741 Determination of pulp sample moisture (GB/T 741-2003, ISO 638. 1978, MOD) GB/T 2481.1 Bonded abrasives grain size composition testing and labeling - Part 1. kibble F4 ~ F220 (GB/T 2481.1-1998, eqv ISO 8486-1:1996, EQV) GB/T 5399 pulp slurry concentration measurement (GB/T 5399-2004, ISO 4119:1995, IDT) QB/T 1462 Solutions wet pulp from the laboratory (QB/T 1462-1992, eqv ISO 5236. 1979) TAPPIT541om-99 inside the cardboard binding strength (Z direction tensile)

3 Terms and Definitions

The following terms and definitions apply to this standard.

Some remain in the viscous substance screen slit laboratory screening devices, these sticky substance that adheres to the object in contact therewith.

NOTE: stickies presented at room temperature viscosity, or when the temperature rises, the pressure increases, showing viscosity when pH changes.

4.1 Principle

Aperture substance with certain laboratory screening equipment screening solution from the slurry after the screening to the filtrate clarification, will remain in the sieve is transferred to filter paper on. Identification of stickies, and were examined for the number and area of \u200b\u200bstickies.

4.2 Instruments and equipment

4.2.1

dissociation unit, shall comply with the provisions of QB/T 1462's.

4.2.2

laboratory screening equipment, average sieve slit width should be $100\mu\text{m} \pm 5\mu\text{m}$ or $150\mu\text{m} \pm 5\mu\text{m}$, and each with an average seam slit width the wide difference should be less than $15\mu\text{m}$. You can also use other slit width of the plate, but it should be stated in the report.

4.2.3

filter paper, qualitative medium, or fast.

4.2.4

tweezers.

4.2.5 Illumination device

4.2.5.1

source, should be applied to the determination of stickies, there is enough light intensity, to ensure that the smallest particles can see.

4.2.5.2

Lighting desk, desktop illuminance of 2500cd/m² ~ 3000cd/m², should avoid sunlight or any external source of direct Exposure.