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Wetting shipping sack paper for testing

Scope

This method is applicable to the preliminary treatment of shipping sack paper prior to testing its properties when wet.

Safety precautions

There are no additional safety precautions associated with this method.

Apparatus

1. *Dish*, of sufficient size to hold five or more specimens of paper horizontally under 2.5 cm (1 in.) of water, with the bottom covered with a piece of coarse wire screen or the equivalent, to permit free access of water to the underside of the specimens.
2. *Weights*, or a piece of, or pieces of, wire screen, about 12 mesh, not more than about twice the weight needed to keep the specimens submerged.
3. *Temperature control*, means for maintaining temperature of the water in the dish at $23 \pm 2^{\circ}\text{C}$ ($73 \pm 3.6^{\circ}\text{F}$).
4. *Blotting paper*, as specified in TAPPI T 205 "Forming Handsheets for Physical Tests of Pulp."
5. *Water*, distilled, pH 7.0 ± 0.5 .

Approved by a Working Group of TAPPI in accordance with the Useful Method Guidelines

Test specimen

Sample the paper in accordance with TAPPI T 400 "Sampling and Accepting a Single Lot of Paper, Paperboard, Containerboard, or Related Product." Cut sufficient test specimens as required for the appropriate testing procedure.

Procedure

For each test, use fresh distilled water having a pH of 7.0 ± 0.5 , maintained at a temperature of $23 \pm 2^\circ\text{C}$. Completely submerge the specimens horizontally in the dish, being careful not to trap any air bubbles. Hold the specimens beneath the surface of the water either by placing weights on two diagonally opposite corners, or by means of wire screens. Soak the specimens for $2\text{ h} \pm 15\text{ min}$.

Remove one test specimen at a time, place it between two sheets of blotting paper and, without squeezing, brush the hand lightly over the assembly, so as to extract no more than the water on the surfaces.

Start the desired test on each specimen within 15 s of its removal from the soaking dish.

Precision

Since this is a method for preparation of a sample for testing, a precision statement is not appropriate.

Keywords

Paper, Bag papers, Pretreatment, Specimen wetting

Additional information

This method was formerly T 501.

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Working Group: In 2010, a task force of the Quality and Standards Management Committee reviewed Useful Methods, and chose this UM as a method to retain in the new set of Useful Methods. Inclusion of this UM indicates that the Task Force deemed this method to meet the general requirements for a Useful Method as found in the newly published UM guidelines. No specific recommendation for its use for any specific testing application is meant or implied. This Useful Method originated prior to 1991. The original author(s) are unknown.

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Your comments and suggestions on this Useful Method are earnestly requested and should be sent to the TAPPI Standards Department. ■