Sample location for fiber glass mat sheets
(Five-year review of Standard Practice T 1007 sp-15)
(Changes from Draft 2 incorporated)

1. Scope

This practice covers the location from which samples are taken from a sheet of fiber glass mat used as a sample test unit for physical property determination.

2. Summary of method

This practice details the location of all samples in relation to the sheet of mat and to each other.
3. **Significance**

This arrangement of sample locations is distributed in a manner designed to represent cross-web (cross-machine direction) and down-web (machine direction) variations in the area covered by the sample of the fiber glass mat for each physical property to be tested.

4. **Procedure**

4.1 Remove all damaged layers of mat from the outside of the roll to be sampled. Once completed, obtain samples from the full width of the roll and of sufficient length (or number) to enable all samples to be cut from adjacent lengths (convolutions) of the roll.

4.2 Cut test specimens from the sample unit based on an established pattern using 15 to 18 in. (38.1 to 45.7 cm) lanes which allow full testing across each roll.

5. **Sample cutting template**

5.1 A metal sample cutting template or a sample cutting die used with a punch press may be prepared to facilitate sample cutting from any specific web. Stainless steel sheet (10 gauge) has been found suitable for templates and the dimensions of openings should be cut to within 0.010 in. (0.25 mm). Slots, 0.25 in. (6.4 mm) long and 0.032 in. (0.8 mm) wide, should be cut at each corner of each opening to facilitate cutting of sharp corners by a standard utility knife or single-edged razor blade.

5.2 A typical template or die for sampling will allow samples to be cut in accordance with the 15 to 18 in. (38.1 to 45.7 cm) lane pattern across each roll to provide the size and number of samples specified in each test method.

6. **Report**

Report that sampling location complied with the requirements of this method, or, if different than specified, report the actual sample location and reason for deviation.

7. **Precision**

A statement of precision is not applicable for this standard practice.

8. **Keywords**

Fiber mats, Glass fibers, Sampling
9. Additional information

9.1 Effective date of issue: To be assigned
9.2 Changes in the 2015 edition included changes to the sampling sections, which eliminates the use of the template examples.

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