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Fiber glass mat uniformity (visual defects)

1. Scope

This method is a description of fiber glass mat attributes that define visual uniformity in the finished mat product.

2. Significance

This description is intended to list visual defects of glass mat.

3. Procedure

Visual inspection should be made during the manufacture of glass mat at the unwind stand prior to packaging or prior to conversion.

4. Attributes (visual defects)

4.1 Specific definitions of the degree of non-conformity of mat to a prescribed guideline must be agreed upon between buyer and seller.

4.2 The mat is to be of uniform thickness and have a smooth surface.

4.3 The mat shall be free from oil, grease, and dirt.

4.4 The mat shall be free from wrinkles, ripples, folds, or creases.

4.5 The mat shall be free from torn edges and holes greater than 1/2 in. (12.7 mm) in diameter.

4.6 The mat shall be free from wet binder spots, thin areas, fiber clumps, and stringers.

4.7 The mat shall be free from delamination.

4.8 The mat shall be free from fuzzy or unbonded loose surface and edge fibers.

4.9 The mat shall not exhibit telescoping in excess of 1.5 in. (38 mm) and telescoped ridges in excess of 3/4 in. (19 mm) high and less than 1 in. (25 mm) wide.

4.10 The mat shall not exhibit core misalignment greater than 3/4 in. (19 mm).

Approved by the Standard Specific Interest Group for this Test Method



Documents

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5. Precision

A statement of precision is not applicable to this practice.

6. Keywords

Fiber glass mats, Uniformity, Visual defects, Defects, Formation, Vision

7. Additional information

Effective date of issue: October 6, 2010.

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