



SURFACE VEHICLE STANDARD

SAE

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Test Method for Measuring Mass (Weight) of Organic Trim Materials

RATIONALE

Clarify Section 3.2.

1. SCOPE

This SAE Standard is used to determine the mass per unit area, in grams per square meter, of materials used for trimming automobile interiors.

2. REFERENCES

There are no referenced publications specified herein.

3. PROCEDURE

- 3.1 Condition all test specimens in a standard atmosphere of 23 °C ± 2 °C and 50% ± 5% relative humidity for 24 h.
- 3.2 Cut three specimens 100 mm X 100 mm or as designated by the contractual parties. For roll goods two specimens shall be taken approximately one tenth the width of the material from each selvage and one specimen at approximately the middle of the width of the material. The three specimens shall be staggered as much as feasible in the length of the roll goods. For materials other than roll goods, cut three specimens from the representative areas as designated by the contractual parties.
- 3.3 Measure the length and width of each specimen to the nearest 0.5 mm with a ruler or tape and calculate the area of each in square millimeters.
- 3.4 Weigh each of the three test specimens to the nearest milligram.
- 3.5 Calculate the mass per unit area in grams per square meter as shown in Equation 1:

$$\frac{A \times 10^6}{B} = \text{g/m}^2 \quad (\text{Eq. 1})$$

where:

- A = Average mass in grams of the three test specimens
- B = Average area in square millimeters of the three test specimens

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